

# User Guide

Galaxy Exhilarate

Consumer  
Cellular®



MODEL NO: I577

## Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the "Phone System"), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

### **Open Source Software**

Some software components of this product incorporate source code covered under GNU General Public License (GPL), GNU Lesser General Public License (LGPL), OpenSSL License, BSD License and other open source licenses. To obtain the source code covered under the open source licenses, please visit:

<http://opensource.samsung.com>.

## Samsung Telecommunications America (STA), LLC

Headquarters:

1301 E. Lookout Drive

Richardson, TX 75082

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Internet Address:

<http://www.samsung.com>

©2012 Samsung Telecommunications America, LLC. Samsung and SoundAlive® are both registered trademarks of Samsung Electronics Co., Ltd.

Do you have questions about your Samsung Mobile Phone?

For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:

[www.samsung.com/us/support](http://www.samsung.com/us/support).

Nuance®, vSuite™, T9® Text Input, and the Nuance logo are trademarks or registered trademarks of Nuance Communications, Inc., or its affiliates in the United States and/or other countries.

ACCESS® and NetFront™ are trademarks or registered trademarks of ACCESS Co., Ltd. in Japan and other countries.

The Bluetooth® word mark, figure mark (stylized “B Design”), and combination mark (Bluetooth word mark and “B Design”) are registered trademarks and are wholly owned by the Bluetooth SIG.

microSD™ and the microSD logo are Trademarks of the SD Card Association.

Openwave® is a registered Trademark of Openwave, Inc.

Google, the Google logo, Android, the Android logo, Android Market, Gmail, Google Mail, Google Maps, Google Music, Google Talk, Picasa, YouTube and other marks are trademarks of Google Inc.

Wi-Fi is a registered trademark of the Wireless Fidelity Alliance, Inc.

Swype and the Swype logos are trademarks of Swype, Inc. © 2010 Swype, Inc. All rights reserved.

**DivX**<sub>HD</sub>™, DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license. DivX Certified® to play DivX® video up to HD 720p, including premium content.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit [www.divx.com](http://www.divx.com) for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu (tap **Applications > Settings > About phone > Legal information > License settings > DivX® VOD > Register**) in your device setup menu. Go to [vod.divx.com](http://vod.divx.com) for more information on how to complete your registration.



Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard™** in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

#### **How Does It Work?**

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

## Table of Contents

---

<b>Section 1: Getting Started .....</b>	<b>5</b>	Making a Call .....	38
Setting Up Your Phone .....	5	Making a Call Using Speed Dial .....	39
Charging a Battery .....	8	Making a Call from the Address Book .....	40
Switching the Phone On or Off .....	9	Answering a Call .....	40
Locking and Unlocking the Touch Screen .....	10	Dialing Options .....	41
Setting up your Phone with Ready2Go .....	10	Call Log .....	41
Creating a New Google Account .....	10	Call Duration .....	44
Resetting your Google Account Password .....	11	Options During a Call .....	44
Setting Up Your Voicemail .....	11	<b>Section 4: Entering Text .....</b>	<b>49</b>
Android System Recovery .....	11	Text Input Methods .....	49
Safe Mode .....	12	Entering Text Using the Android Keyboard .....	49
Troubleshooting .....	12	Changing the Text Input Mode - Keypad .....	50
<b>Section 2: Understanding Your Phone .....</b>	<b>13</b>	Using Abc Mode .....	50
Features of Your Phone .....	13	Using Symbol/Numeric Mode .....	51
Front View of Your Phone .....	13	Show Suggestions .....	51
Side Views of Your Phone .....	15	Entering Text Using the Samsung Keypad .....	52
Rear View of Your Phone .....	16	Entering Text Using Swype .....	52
Display Layout .....	16	Using the Voice to Text Feature .....	53
Menu Navigation .....	26	<b>Section 5: Contacts and Your Address Book .....</b>	<b>54</b>
Customizing Your Home Screen .....	29	Synchronizing your Address Book .....	54
Notification Bar .....	35	Adding a New Contact .....	55
Memory Card .....	36	Editing an Existing Contact .....	57
<b>Section 3: Call Functions .....</b>	<b>38</b>	Using Contacts .....	58
Displaying Your Phone Number .....	38		

Joining Contacts .....	59	Message Search .....	88
Synchronizing Accounts .....	60	Messaging Settings .....	88
Address Book Options .....	61	Using Email .....	89
Groups .....	62	Using Gmail .....	91
Address Book Favorites .....	63	Google Talk .....	92
Managing Address Book Entries .....	64	Messages App .....	93
<b>Section 6: Multimedia .....</b>	<b>66</b>	Google + .....	93
Media Hub .....	66	Messenger .....	93
Music Player .....	67	<b>Section 8: Changing Your Settings .....</b>	<b>95</b>
Using Playlists .....	69	Wireless and Network .....	95
Music .....	70	Call Settings .....	102
Movies .....	70	Sound Settings .....	105
Qik Lite .....	71	Display Settings .....	107
Videos .....	72	Power Saving Mode .....	108
Gallery .....	72	Location and Security .....	108
Camera .....	74	Applications .....	111
Using the Camera .....	74	Accounts and Synchronization .....	113
Camera Options .....	75	Motion .....	113
Using the Camcorder .....	80	Privacy .....	114
Camcorder Options .....	80	Storage .....	115
<b>Section 7: Messaging .....</b>	<b>84</b>	Language and keyboard .....	115
Types of Messages .....	84	Voice Input and Output .....	119
Creating and Sending Messages .....	84	Accessibility Settings .....	120
Message Options .....	85	Date and Time .....	120
Viewing Newly Received Messages .....	87	About Phone .....	121
Deleting Messages .....	87		

**Section 9: Connections ..... 123**

Browser .....	123
Wi-Fi .....	128
Bluetooth .....	131
PC Connections .....	135
NFC .....	136

**Section 10: Applications ..... 137**

AllShare .....	137
Amazon Kindle .....	138
Books .....	140
Calculator .....	140
Calendar .....	141
Camera .....	142
Clock .....	142
Contacts .....	145
Downloads .....	145
Email .....	146
Facebook .....	146
Gallery .....	146
Gmail .....	146
Google Search .....	147
Google + .....	147
Kies air .....	147
Latitude .....	147

Maps .....	149
Market .....	151
Media Hub .....	151
Memo .....	151
Messages .....	152
Messenger .....	152
Mini Diary .....	152
Movies .....	154
Music .....	154
Music Player .....	154
My CC .....	154
My Files .....	154
Navigation .....	155
News & Weather .....	156
Places .....	157
Qik Lite .....	157
Quickoffice .....	158
Settings .....	158
Social Hub .....	158
Talk .....	159
Task .....	159
Task Manager .....	160
Videos .....	160
Voice command .....	160



Voice Recorder	161
Voice Search	161
Voice talk	162
YouTube	162
<b>Section 11: Health and Safety Information</b>	<b>164</b>
Exposure to Radio Frequency (RF) Signals	164
Specific Absorption Rate (SAR) Certification Information	168
FCC Part 15 Information to User:	169
Smart Practices While Driving	170
Battery Use and Safety	171
Samsung Mobile Products and Recycling	172
UL Certified Travel Charger	174
Display / Touch-Screen	174
GPS & AGPS	175
Emergency Calls	176
Care and Maintenance	176
Responsible Listening	177
Operating Environment	179
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices	180
Restricting Children's Access to Your Mobile Device	182
FCC Notice and Cautions	182
Other Important Safety Information	183
<b>Section 12: Warranty Information</b>	<b>189</b>
Standard Limited Warranty	189

## Section 1: Getting Started

---

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your Voicemail.

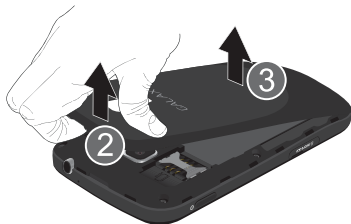
### Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments.

1. Remove the back cover by inserting a fingernail or pointed object into the slot on the top side of your phone (1).



2. Lift the cover up (2) and away from the phone (3).



### Installing the SIM Card

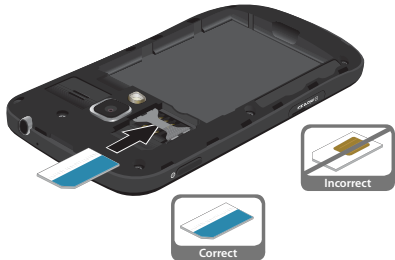
When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

---

**Important!** The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

---

- ▶ Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  - Make sure that the card's gold contacts face downward and that the upper-left angled corner of the card is positioned as shown.



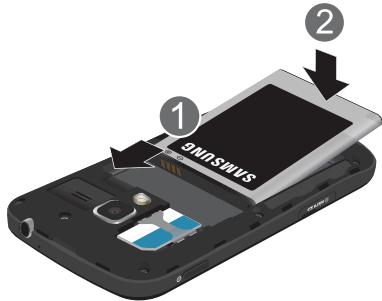
---

**Note:** If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

---

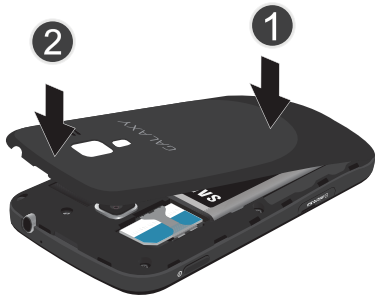
### **Installing the Battery**

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).



## Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press all along the edge of the back cover until you have a secure seal.



---

**Note:** Make sure the battery is properly installed before switching on the phone.

---

## Installing and Removing the Memory Card

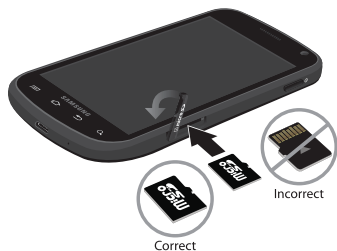
Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

---

**Note:** Your phone has been tested to support up to a 32GB memory card.

---

1. Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.



2. To remove, push on the memory card until it clicks and is released. Then grasp the memory card and remove it from the phone.

For more information on Memory Cards, see “Memory Card” on page 36.

## Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

---

**Note:** Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

---

Although you can use the phone while the battery is charging, doing so will require additional charging time.

---

**Note:** You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

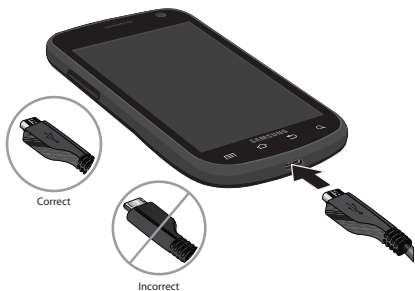
---

## Using the Travel Charger

---

**Important!** Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

---



1. Plug the flat end of the Travel Charger into the Power/Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

---

**Warning:** Please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. see "Standard Limited Warranty" on page 189.

---

---

**Note:** Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

---

### Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon (🔋) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color (🔋) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.


### Switching the Phone On or Off

1. Press and hold (🔘) (on the upper right side of the phone) until the phone switches on.
2. Sweep your finger across the screen to unlock the phone.



---

**Note:** The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to "Changing Your Settings" on page 95.

---

3. To switch off the phone, press and hold , until the **Phone options** screen displays.
4. Tap **Power off**, then tap **OK** to switch off the phone.



## Locking and Unlocking the Touch Screen

1. Press  to lock the touch screen.
2. Press  again to display the main screen then sweep your finger across the screen to unlock it.

## Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

After you start your phone for the first time, follow these steps:

1. From the Home screen, tap **Applications**  → **Gmail** .
- The **Add a Google Account** screen displays.
2. Tap **Next** to continue.
3. Follow the on-screen instructions to create Google Account.

---

**Note:** If you already have a Google account, you only need to sign in.



---

## Resetting your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to reset it:

1. From your computer, use an Internet browser to navigate to <http://google.com/accounts>.
2. Once the URL loads, click on the **Can't access your account?** link.
3. Enter your Email address and click **Submit**.
4. Follow the on-screen instructions to reset your password.

## Setting Up Your Voicemail



1. From the Home screen, tap , then tap . You may be prompted to enter a password.
2. Follow the tutorial to create a password, record a greeting, and record your name.

---

**Note:** These steps may be different depending on your network.

---

## Accessing Your Voice Mail

1. From the Home screen, tap , then tap .
2. When connected, follow the voice prompts from the voice mail center.

## Accessing Your Voicemail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your passcode.

## Android System Recovery

Android System Recovery is used for Google updates but the average user will never need to perform a system recovery.

---


**Note:** If you entered this menu by mistake, use the Volume Up/Down keys to select **reboot system now**, then press the Power key. Your phone will then continue to boot up.

---

To enter the Android System Recovery mode, follow these steps:



1. With the phone turned off, press the Power key and Volume Up/Down keys at the same time until the phone switches on.



2. Once the Samsung logo appears, release the Power key while continuing to press the Volume Up/Down keys.
3. Continue to press the Volume Up/Down keys for at least 8 seconds, until Recovery mode is launched and the Android System Recovery screen is displayed.
4. Release the Volume Up/Down keys.
5. The following options are available:
  - **reboot system now**: this option turns on your phone.
  - **apply update from sdcard**: this option allows you to apply updates from your memory card to your phone.
  - **wipe data/factory reset**: deletes all data from the phone except pictures and videos. For more information, refer to “*Factory data reset*” on page 114.
  - **wipe cache partition**: allows you to delete all cache data such as log files.
6. Use the Volume Up/Down keys to scroll up or down, then press  to make a selection.

## Safe Mode

You can boot your phone into Safe Mode if you wish to troubleshoot whether or not added applications are causing problems with the device. Safe mode will only load basic system software.

1. Make sure your phone is turned off.
2. Press and hold the power key () to boot up your device.
3. After the start-up animation begins to display, rapidly tap the  key until the Lock screen displays.  
When the Lock screen is displayed, **Safe mode** is displayed in the lower left corner of the screen.

## Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

- ▶ If your device is frozen and unresponsive, press and hold the Power/Lock Key for 8 to 10 seconds.

For more help, see “*Android System Recovery*” on page 11.

## Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

### Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- Android Gingerbread platform
- Touch screen provides quick response to a variety of in-phone menus and options including applications and seven home screens
- Eco-Friendly housing, composed of 80% Post Consumer Materials
- Built-in Bluetooth and Wi-Fi technology
- Brilliant 4" WVGA (480x800) Super AMOLED™ display
- 5 Megapixel camera and camcorder
- HSDPA 21 mbps high speed download capability
- Assisted GPS (TeleNav GPS Navigation)
- microSD card compatibility with up to 32GB expandable memory slot
- Sync and update social network applications



### Front View of Your Phone



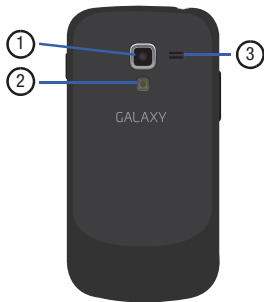
1. **External speaker:** allows you to hear the caller.
2. **Application icons:** you can place shortcuts to your favorite applications on the Home screen.
3. **Primary shortcuts:** allows quick access to important features such as Phone, Messaging, Web, and Applications. For more information, refer to “*Primary Shortcuts*” on page 16.
4. **Menu key:** allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
5. **Home key:** allows you to return to the main Home screen from any Home screen or menu. Press and hold to display your recently used applications and a shortcut to the Task Manager.
6. **Back key:** allows you step backwards when navigating a menu or web page.
7. **Search key:** allows you to access the Google Search feature where you can search for items on the internet.
8. **Home screen indicator:** shows which Home screen is presently displayed.
9. **Google Quick Search bar:** a shortcut to Google Search that allows you to search for items on the internet.
10. **Indicator icons:** shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
11. **Proximity and Light sensors:** uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off. Also used for some Camera settings.
12. **Front facing camera:** allows you to take pictures of yourself when you set the camera shooting mode to Self shot.

## Side Views of Your Phone



1. **3.5mm Headset jack:** allows you to plug in headphones.
2. **Volume keys:** allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key (  ) to mute the ring tone.
3. **Power/Accessory Interface connector:** allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
4. **Microphone:** allows other callers to hear you when you are speaking to them.
5. **MicroSD port:** allows you to store additional data on a MicroSD card. For more information, refer to *“Installing and Removing the Memory Card”* on page 7.
6. **Power/Lock key:** (  ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *“Locking and Unlocking the Phone”* on page 27.
7. **Microphone:** allows other callers to hear you when you are using the speakerphone.

## Rear View of Your Phone



1. **Camera lens:** is used to take pictures and shoot videos.
2. **Flash:** is used to provide adequate light when taking pictures in dark places.
3. **External speaker:** allows you to hear when the Speakerphone is turned on.

## Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 13.

### Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- **Phone** 📞 for dialing a number.
- **Messaging** 📧 for creating and viewing Messages.
- **Web** 🌐 for surfing the Internet.
- **Applications** 🗄 for accessing the applications on your phone.

While viewing the Applications Menu, the Application shortcut changes to **Home** 🏠, which returns you to the Main screen.

You can change the Phone, Messaging, and Web application shortcuts to any icon that is displayed in the Applications menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 30.

## Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:



Displays your current signal strength. The greater the number of bars, the stronger the signal.



Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.



Displays when there is no SIM card in the phone.



Displays when there is no network available.



Displays when there is a system error or alert.



Displays when a call is in progress.



Displays when a call is in progress using a Bluetooth device.



Displays when a call is on hold.



Displays when the speakerphone is on.



Displays when a call has been missed.



Displays when a call has been muted.



Displays when Call forwarding is set to Always forward. For more information, refer to “*Call Settings*” on page 102.



Displays when you phone is set to automatically reject all calls.



Displays your battery charge level. Icon shown is fully charged.



Displays when your battery is charging. Also displays battery charge level.



Device Power Critical – Shows your current battery only has three percent power remaining and will immediately shutdown.



Displays when your connection to an EDGE network is active.



Displays when your phone is communicating with the EDGE network.



Displays when your phone is downloading a file.



Displays when a Market download has successfully been installed.



Displays when updates are available for download.



Displays when an external microSD memory card is full.



Displays when the phone is connected to a computer via a supported USB cable connection.



Displays when a new text or multimedia message is received.



Displays when a new Voicemail is received.



Displays when Email is received.



Displays when a new gmail message is received.



Displays when the time and date for a Calendar Event has arrived. For more information, refer to “*Calendar*” on page 141.



Displays when you set an alarm to ring at a specified time. For more information, refer to “Alarm” on page 142.



Displays when the Sound profile is set to Silent mode.



Displays when the Sound profile is set to Silent mode and Vibrate is set to Always or Only in silent mode.



Displays when Bluetooth is activated.



Displays when a Bluetooth device has been paired with the phone.



Displays when Bluetooth is on but is not connected to a Bluetooth device.



Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).



Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).



Displays when Wi-Fi Direct is active and your phone is connected to another device.



Displays when your phone is connected to a PC using Kies Air.



Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare application.



Displays when GPS is active and acquiring a signal.



Displays when Power saving mode is enabled.



Displays when TTY device has been inserted.

For more details on configuring your phone's settings, see “*Changing Your Settings*” on page 95.





## Application Icons

The Application menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Applications icons, see “*Navigating Through the Application Menus*” on page 28.

1. From the Home screen, tap , then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the Home screen, tap .

The following applications are available:



**AllShare:** AllShare allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices. For more information, refer to “*AllShare*” on page 137.



**Amazon Kindle:** This application allows you to download books, magazines, and newspapers to read on your phone. For more information, refer to “*Amazon Kindle*” on page 138.



**Books:** With Google Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to “*Books*” on page 140.



**Calculator:** Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to “*Calculator*” on page 140.



**Calendar:** With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *“Calendar”* on page 141.



**Camera:** Use your 5 megapixel camera feature to produce photos in a JPEG format. For more information, refer to *“Camera”* on page 74.



**Clock:** The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *“Clock”* on page 142.



**Contacts:** You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. For more information, refer to *“Contacts and Your Address Book”* on page 54.



**Downloads:** The Downloads application allows you to manage all of your downloads from the Market and the Browser. For more information, refer to *“Downloads”* on page 145.



**Email:** Email enables you to review and create email using various email services. For more information, refer to *“Using Email”* on page 89.



**Facebook:** Facebook enables you to go directly to your Facebook account without accessing it through your web browser. For more information, refer to *“Facebook”* on page 146.



**Gallery:** The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to “*Gallery*” on page 72.



**Gmail:** Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to “*Using Gmail*” on page 91.



**Google Search:** The Google Search Bar provides you an on-screen Internet search engine powered by Google™. For more information, refer to “*Google Search Bar*” on page 26.



**Google +:** Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to “*Google +*” on page 93.



**Kies air:** Kies Air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view call logs, videos, photos, bookmarks, IMs, and even send SMS messages from your home computer. For more information, refer to “*Kies Air*” on page 135.



**Latitude:** With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location. For more information, refer to “*Latitude*” on page 147.



**Maps:** Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to “*Maps*” on page 149.



**Market:** Android Market provides access to downloadable applications and games to install on your phone. For more information, refer to “*Market*” on page 151.



**Media Hub:** Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to “*Media Hub*” on page 66.



**Memo:** This feature allows you to create a memo. For more information, refer to “*Memo*” on page 151.



**Messenger:** Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to “*Messenger*” on page 93.



**Mini Diary:** The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook and MySpace. For more information, refer to “*Mini Diary*” on page 152.



**Movies:** The Movies application allows you to rent movies to watch on your phone. For more information, refer to “*Movies*” on page 154.



**Music:** With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to “*Music*” on page 70.



**Music Player:** Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to “*Music Player*” on page 67.



**My Files:** My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to “*My Files*” on page 154.



**Navigation:** Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to “*Navigation*” on page 155.



**News & Weather:** Displays current news and weather for your location. For more information, refer to “*News & Weather*” on page 156.



**Places:** Places is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. For more information, refer to “*Places*” on page 157.



**Qik Lite:** Allows you to record and share live video from your device with your friends, family and your favorite social networks. For more information, refer to “*Qik Lite*” on page 71.



**Quickoffice:** The Quickoffice application allows you to create and save Microsoft Word and Excel documents. You can also view existing Powerpoint presentations and PDFs. For more information, refer to “*Quickoffice*” on page 158.



**Settings:** This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to “*Changing Your Settings*” on page 95.



**Social Hub:** With Social Hub, you can now easily and intuitively satisfy all of your relevant communication needs from one integrated user experience. E-mails, instant messaging, social network contents, and calendar contents from all major service providers are available. For more information, refer to “*Social Hub*” on page 158.



**Talk:** Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 92.



**Task:** The Task application allows you to keep track of tasks that you have. You can also sync them with different accounts. For more information, refer to *"Task"* on page 159.



**Task Manager:** The Task Manager application provides information about the processes and programs running on your phone, as well as the memory status. It can also be used to terminate processes and applications. For more information, refer to *"Task Manager"* on page 160.



**Videos:** The Video application plays video files stored on your microSD card. For more information, refer to *"Videos"* on page 72.



**Voice command:** With the Voice command application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"Voice command"* on page 160.



**Voice Recorder:** The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 161.



**Voice Search:** The Voice Search feature is a voice-activated application that allows you to tell the phone what to search for and then the phone activates a Google search based on what you said. For more information, refer to *"Voice Search"* on page 161.



**Voice talk:** With the Voice talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"Voice talk"* on page 162.



**YouTube:** YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 162.

---

**Tip:** To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see “Customizing Your Home Screen” on page 29.



---

## Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar



2. Use the on-screen keypad to enter the item you want to search for, then tap **Go**.
3. Tap  to narrow your search results. Tap **All**, **Web**, **Apps** or **Contacts** to only search in those areas.
4. Tap  to use Google Voice Search. For more information, refer to “Voice Search” on page 161.

## Menu Navigation


You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has seven home screens.

## Command Keys


### Menu Key

Press  **Menu** to display a context-sensitive menu of options for the current screen or feature.

### Home Key

Press  **Home** to display the Home screen. Press and hold to display your recently used applications and a shortcut to the Task Manager.

### Back Key

Press  **Back** to return to the previous screen, option or step.

### Search Key

Press  **Search** to launch Quick Search, to search the web and your phone.

## Terms used in this user manual

### Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

## Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

## Sweep

To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

## Locking and Unlocking the Phone

To unlock your phone:


1. Press the lock button  located on the upper right side of your phone.

2. Sweep the touch screen in any direction.



3. The Home screen will display as shown above.

## Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

## Navigating Through the Home Screens

Your phone initially has seven home screens. If you like, you can place different applications on each of the home screens.

- ▶ From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located




in the middle with three Home screens on each side.



### ***Navigating Through the Application Menus***

Your phone initially has four Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other three menus.
3. Tap one of the application icons.



---

**Note:** As you add applications, the number of Application menus that you have available will increase.

---

### ***Navigating Using Sub-Menus***

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Web.

To access a sub-menu:

1. Press .

A sub-menu will appear at the bottom of the phone screen.

2. Tap an option.



### Accessing Recently-Used Applications

1. Press and hold  from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

### Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen

- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

### Creating Shortcuts



Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

---

**Note:** To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.


---

### Adding a shortcut from the Applications Menu



1. Press  to activate the Home screen.
2. Navigate to the desired Home Page.
3. Tap  to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the on-screen icon. This creates an immediate shortcut of the selected icon and closes the Applications tab. The new shortcut then appears to hover over the Home screen.

6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

#### Adding a shortcut via the Add to Home screen

1. Press  to activate the Home screen.
2. Touch and hold on an empty area of the Home screen.
3. From the **Add to Home** window, tap **Shortcuts**.
4. Tap a shortcut from the available list.
5. Follow the on-screen instructions to add the new shortcut to your current Home screen.

#### Deleting a shortcut

1. Press  to activate the Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the Delete tab  and release it.  
As you place the shortcut into the Trash, both items turn red.





---

**Note:** This action does not delete the shortcut, it just removes it from the current screen.

---

#### Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Applications**  and **Home**  shortcuts.

1. Press  to activate the Home screen.
2. Tap  to display your current applications.
3. Press  and tap **Edit**.
4. If the **Reorganize icons** screen is displayed, tap **Switch**. The view type must be set to **customizable grid**.
5. Read the **Edit applications** information and tap **OK** (this only displays the first time you edit the Applications menu).
6. Scroll through the list and locate your desired application.
7. Touch and hold the on-screen icon, then drag it over the primary shortcut that you want to replace. The new primary shortcut then appears at the bottom of the screen. The old primary shortcut will return to the application menu.
8. Press  and tap **Save**.

9. Press  to return to the Home screen.

The new primary shortcut will now appear on all Home screens.

---

**Note:** When a primary shortcut is removed, it will then appear as an option in the Application menu.

---

### Adding and Removing Widgets


Widgets are self-contained applications that reside in either your Applications tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

---


**Note:** To move a Widget from one screen to another, it must first be deleted from its current screen. Activate the new screen, then add the Widget.

---

#### Adding a Widget

1. Press  to activate the Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. From the **Add to Home** window, tap **Widgets**.
5. Scroll through the available Widgets at the bottom of the screen, then tap it to place it on your current screen.

#### Removing a Widget




1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget over the Delete tab  and release it.  
As you place the Widget into the Trash, both items turn red.



---

**Note:** This action does not actually delete the Widget, it just removes it from the current Home screen.





---

#### Moving Icons in the Applications Menu

1. Press  to activate the Home screen.
2. Tap  to display your current applications.
3. Press  and tap **Edit**.
4. If the **Reorganize icons** screen is displayed, tap **Switch**. The view type must be set to **customizable grid**.
5. Read the **Edit applications** information and tap **OK** (this only displays the first time you edit the Applications menu).
6. Scroll through the list and locate the icon you wish to move.

7. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
8. Press  and tap **Save**.
9. Press  to return to the Home screen.

### **Deleting Icons from the Applications Menu**

1. Press  to activate the Home screen.
2. Tap  to display your current applications.
3. Press  and tap **Edit**.
4. Tap an application that you would like to delete from the Applications menu. It must have a  symbol next to it in order to delete it.
5. Tap the icon.
6. At the **Delete** prompt, tap **Yes**.  
The application is deleted.

---


**Note:** If you would like to get an application that you have previously deleted, use the Android Market to download it. For more information, refer to “Market” on page 151.

---

### **Creating and Managing Folders**

Folders are located on any of the seven available Home screens and can contain both files (such as data and images) and Contact information or entries.

To create a folder on-screen follow these steps:

1. Press  to activate the Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. From the **Add to Home** window, tap **Folders**.
5. Tap an available folder type to place it on your current screen.
  - Choices include New folder, All contacts, Contacts with phone numbers, Received list from Bluetooth, and Starred contacts.


---

**Note:** Starred contacts are those Contact entries tagged as very important.

---

### **Changing the Wallpaper**

You can change the Wallpaper (background) of your home screens by following these steps:



1. Press  to activate the Home screen.
2. Touch and hold on an empty area of the screen.

3. From the **Add to Home** window, tap **Wallpapers**.
4. Tap one of the following options:
  - **Gallery**: select a wallpaper from photographs you have taken with your camera.
  - **Live wallpapers**: select an animated wallpaper.
  - **Wallpaper gallery**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Save** or the **Set wallpaper** icon.

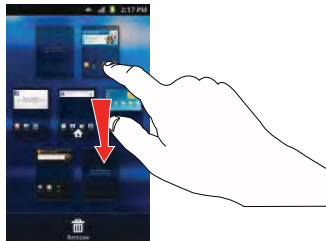
### **Moving Home Screens**

Your phone comes with seven Home screens. You can arrange the screens in any order that you want.

To move a Home screen, follow these steps:

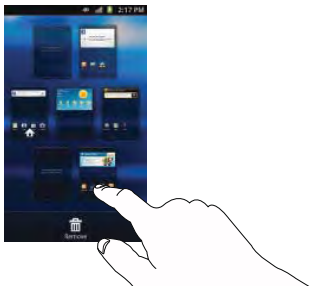
1. Press  to activate the Home screen.
2. Press  and tap **Edit**.


3. Touch and hold the Home screen you want to move.



4. Drag it to the location that you would like to place it.

When you move a Home screen, the other Home screens will be re-ordered automatically.





5. Press  to return to the main Home screen.

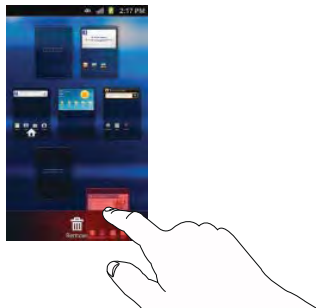
### **Adding and Deleting Home Screens**


You can delete Home screens and then add Home screens later if you want.

To delete a Home screen, follow these steps:




1. Press  to activate the Home screen.
2. Press  and tap **Edit**.
3. Touch and hold the Home screen you want to delete.

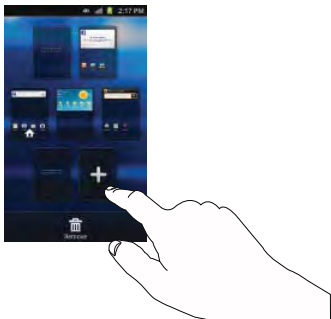
4. Drag it to the trash can located at the bottom of the screen.




5. If there are items on the Home screen that you want to delete, the **Home screen has items. Delete?** prompt is displayed.
6. Tap **Yes** to remove the page, otherwise, tap **No**.
7. Press  to return to the main Home screen.

To add a Home screen, follow these steps:

1. Press  to activate the Home screen.
2. Press  and tap **Edit**.
3. Touch and hold the Home screen that contains  and drag it to the new location.



---

**Note:** The  icon will only be displayed if a Home screen has previously been deleted.

---

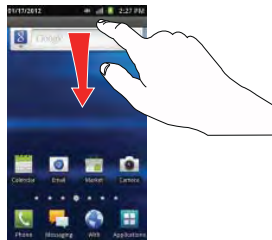
4. Press  to return to the main Home screen.

You can now add items to your new Home screen.

## Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

- ▶ On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.





## Cleaning Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



2. Tap the **Clear** button.

The notifications are cleared and the panel closes.

## Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

### Using the SD Card

There are several methods for using the SD card:

1. Connecting to your PC to store files (such as music, videos, or other types of files and media).
2. To activate the camera, video, music player, and other dependant media or applications.

---

**Important!** The Camera, Audio Postcard, Music Player, and Video functionality is all dependant on a mounted SD card. Your device can support SD cards up to 32GB capacity.

---

### SD Card Overview

After mounting an SD card in the device you can use your computer to access and manage the SD card.

---

**Important!** If access to the external SD card is not available, download and install the USB drivers.

---

### Mounting the SD Card

To store photos, music, videos, and other applications. You must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

---


**Important!** You must disable USB storage to mount the SD card.

---

1. Insert the SD card into the external, SD card slot. For more information, refer to “*Installing and Removing the Memory Card*” on page 7.
2. Your SD card is scanned to see the available information on it.

### Unmounting the SD card


Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap  → **Settings** → **Storage**.
2. Tap **Unmount SD card**.
3. Tap **OK**.

For more information, refer to “*Installing and Removing the Memory Card*” on page 7.


### SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap  → **Settings** → **Storage**.
2. The available memory displays under the **Total space** and **Available space** headings.

### Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to “*Mounting the SD Card*” on page 37.
1. From the Home screen, tap  → **Settings** → **Storage**.
2. Tap **Unmount SD card**.
3. Tap **Format SD card**.
4. At the **Format SD Card** confirmation prompt, tap **Format SD Card**.

---

**Warning!** Performing the next step erases all data stored on the SD card.

---

5. Tap **Erase everything** to format or press  to cancel.

## Section 3: Call Functions

---



This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to “*Call Settings*” on page 102.

### Displaying Your Phone Number

- ▶ Tap  → **Settings** → **About phone** → **Status**. Your phone number is displayed in the **My phone number** field.

### Making a Call





1. From the Home screen, tap  and use the on-screen keypad to enter the number you wish to dial.
2. Tap  to make the call.

---

**Note:** When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to “*Call Settings*” on page 102.



---

### Making an International Call

1. From the Home screen, tap , then touch and hold . The + character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
  - If you make a mistake, tap  until the desired numbers have been deleted.
3. Tap  to make the call.

### Manual Pause Dialing


To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap , and use the on-screen keypad to enter the phone number.
2. Press  to display the dialer sub-menu.
3. Tap **Add 3 sec pause** to add a three-second pause, and use the keypad to enter the additional numbers.

---

**Tip:** You can create pauses longer than three seconds by entering multiple 3 sec pauses.



---

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap  to make the call.

For more information, refer to “*Adding Pauses to Contact Numbers*” on page 57.

### Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.


- ▶ After entering a number using the keypad:
  - If you make a mistake, tap  to erase a single character.
  - Press and hold  to erase the entire string of numbers.

### Ending a Call


- ▶ Tap the  key.

### Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name also displayed.






1. From the Home screen, tap .
2. Tap **Logs** .

A list of recent calls is displayed.

3. Tap the desired Contact to enter the **Details** page, then tap  to make a call.

### Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. Tap  →  to display your Contacts List.
2. Press  to display the Contacts List sub-menu.
3. Tap **Speed dial settings**.
4. The **Speed dial settings** screen displays showing the numbers 1 through 9. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Contacts** screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number or change the order, press  to display the Speed Dial sub-menu.
8. Tap **Change order** or **Remove**.
9. To make a call using Speed Dial, tap  → **Keypad** and from the Dialer, touch and hold the speed dial number.

## Making a Call from the Address Book



You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 58.

## Answering a Call

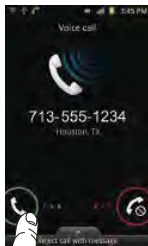
When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

### 1. At the incoming call screen:

- Touch and drag  in any direction to answer the call.
- Touch and drag  in any direction to reject the call and send it to your voicemail.
- Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
  - I am driving
  - I am at the cinema
  - I am in class
  - I am in a meeting
  - Sorry, I am busy. Call back later.

– **OR** –

- Tap **Create new message** to compose a new message.




### 2. Tap to end the call.

---

**Note:** You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

---

## Dialing Options


From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping  → **Keypad**. From the main Contacts page or from the Dialer, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Contacts**: takes you to your Address Book where you can select a contact to call.
- **Favorites**: displays your contacts that you have marked as Favorites. Also displays frequently called numbers.
- **Groups**: displays the different groups that are set up on your phone. From this tab you can assign your contacts to default groups or create your own groups.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact if needed.


## Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the **Call log**. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap **Logs** .

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**: 
- **Outgoing Calls**: 
- **Missed Calls**: 
- **Rejected Calls**: 

## Viewing Missed Calls from the Home Screen

The number of calls you have missed is displayed on the Home screen.


1. Tap the missed call icon with the number of missed calls on it and move it in any direction.



---

**Note:** If there is a voicemail sent by the same number, associated icons are displayed and can then be selected.

---


2. The Call log is displayed. Missed calls are identified by the  icon next to the number.

### **Calling Back a Missed Call**



To call back a missed call number:

1. From the Home screen, tap  → **Logs** .

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

2. Tap the desired missed call. The call detail page is displayed.
3. Tap .

### **Saving a Recent Call to your Address Book**

1. From the Home screen, tap  → **Logs** .

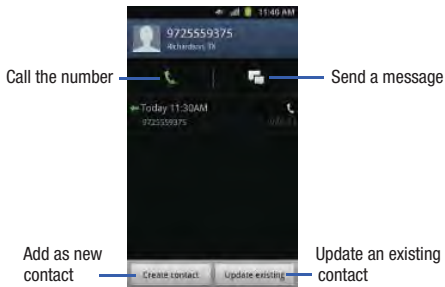
A list of recent calls is displayed.

2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap **Create Contact** to add the call to your Address Book.

The Create contact screen is displayed.

– Or –

If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** when you are finished.

---

**Note:** By default, your contacts are automatically saved to your phone. To change where your contacts are saved to, from the main Contacts screen, press → **More** → **Settings** → **Save new contacts to**. Select **Always ask**, **Phone**, **SIM**, or **Account**.

---

For further details about the **Address Book** feature, see *“Adding a New Contact”* on page 55.

### **Sending a Message to a Recent Call**

1. From the Home screen, tap → **Logs** .  
A list of recent calls is displayed.
2. Tap the call you want to send a message to.  
The call detail page is displayed.
3. Tap .
4. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
5. When you are done with your message, tap **Send**.  
For more information, refer to *“Creating and Sending Messages”* on page 84.

### **Deleting a Call from the Call Log**

1. From the Home screen, tap → **Logs** .  
A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.  
The call is deleted from the Call log.



## Adding a Call to the Reject List


1. From the Home screen, tap  → **Logs** .

A list of recent calls is displayed.

2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.

Future calls from this number will be rejected and sent to your voicemail.

## Call Duration

1. From the Home screen, tap .

2. Tap **Logs** .

3. Press  to display the Call log sub-menu.

4. Tap **Call duration**.

5. The following times are displayed for Voice:

- **Last call:** shows the length of time for the last call.
- **Dialed calls:** shows the total length of time for all calls made.
- **Received calls:** shows the total length of time for all calls received.
- **All calls:** shows the total length of time for all calls made and received.

6. You may reset these times to zero by pressing

 then tapping **Reset**.

## Options During a Call

Your phone provides a number of control functions that you can use during a call.

### Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.


- ▶ Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

### In-Call Options


During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold:** place the current active call on hold.
- **Add call:** displays the dialer so you can call another person.
- **Keypad:** displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call:** terminates the call.

- **Speaker:** routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.
  - Tap **Speaker** again to use the phone's earpiece (see “Using the Speakerphone During an Active Call” on page 47.) The green line will turn grey when Speaker is not activated.
- **Mute:** turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Tap **Mute** again to unmute the microphone. The green line will turn grey when Mute is not activated.
- **Headset:** connects to a Bluetooth headset.
  - Tap **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Tap **Headset** again to de-activate the Bluetooth headset. The green line will turn grey when the Headset is not activated.
- Press  for more options:
  - **Contacts:** allows you to go to your Contact list.
  - **Memo:** allows you to jot down a memo during a call.
  - **Noise suppression on/off:** allows you to turn on the Noise Suppression feature when you are in a noisy area. Turn it Off when not needed to conserve battery power.

### Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** . This action places the current caller on hold (which is displayed on-screen as a greyed-out box).
2. You can later reactivate this call by tapping **Unhold**.

### To make a new call while you have a call in progress

1. Tap **Hold** .
2. Tap **Add call**  to display the dialer.
3. Enter the new number and tap .

Once connected, the active call will appear in a large box in the middle of your screen and the call on hold will appear in a small box in the upper right corner of your screen.

### Switching Between Calls



When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.


The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.

2. Tap  to end the currently active call.

#### To end a specific call

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap  to end the specific call.
3. Tap  to end the remaining call.

#### To answer a call while you have a call in progress


1. Tap  and slide to the right to answer another call.

The first call is automatically put on hold.

2. To switch between the two calls, tap **Swap**.
  - **Swap**: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

#### To end a call on hold

1. Tap  to disconnect the active call.

2. The call on hold, will now become the active call. Tap  to end the call.

### 3-Way Calling (Multi-Party Calling)



The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

---

**Note:** The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

---

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap  and slide to the right to answer the call.
2. Tap  and slide to the right to answer the next call.

The first call is automatically put on hold.

3. Join the first two callers into a single multi-party call by tapping **Merge**.
4. To temporarily leave the conference call, tap **Hold**.

To rejoin the conference call tap **Unhold**.

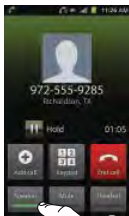
5. Tap  to end the call.


### Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** .

The **Speaker** button now appears as  and the speakerphone is activated.



2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** .

---

**Important!** For more information, see “Responsible Listening” on page 177.

---

### Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.


---


**Example:** You wish to say something to person in the room, but do not want the person on the phone to hear you.

---

### To mute your phone during a call

1. Tap **Mute** .


The **Mute** button now appears as  and Mute is activated.


2. Tap **Mute**  to deactivate the Mute function and reactivate the microphone.

### Bluetooth headset


1. Tap **Headset** .

2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

The **Headset** button now appears as  and the Bluetooth headset is activated.

3. Tap **Headset**  to deactivate the Bluetooth headset and reactivate the phone speaker.

### **Searching for a Number in Address Book**

1. During the active call, press  then tap **Contacts**
2. Tap the Address Book entry.

For further details about the **Address Book** feature, see “*Finding an Address Book Entry*” on page 58.

### **Call Waiting**

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

- ▶ Tap  → **Settings** → **Call** → **Additional settings** → **Call waiting**.

A checkmark will appear in the box when activated. You are notified of an incoming call by a call waiting tone.

## Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

### Text Input Methods

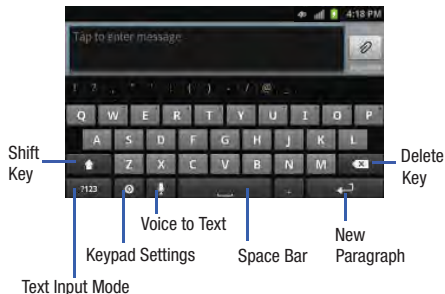
There are three text input methods available:

- **Android keyboard (default):** an on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Samsung Keypad:** Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Swype:** a new way to enter text on touch screens. Instead of tapping each key, use your finger to trace over each letter of a word.

To change the input method, see *“Select input method”* on page 115.

### Entering Text Using the Android Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



## Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

?123

**Symbol/Numeric Mode:** activates the number, symbol, and emoticon keys.

ABC

**ABC Mode:** activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift (⬆) key.

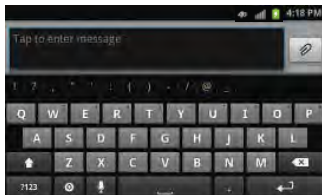
---

**Note:** When in **Abc** mode, the **Sym** button will appear. When in **Sym** mode, the **Abc/ABC/abc** button will appear.

---

### Using Abc Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Tap to enter message** field, the following screen displays:

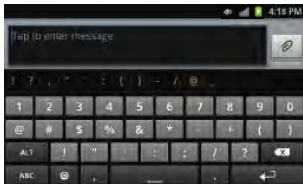


3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key (⬆) will change to ⬆ and following letters will be lowercase.
5. Tap ⬆ to input another upper-case letter or tap ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. All following letters will be uppercase until you tap the shift key again.

## Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Tap **123** at the bottom of the screen. The following screen displays:

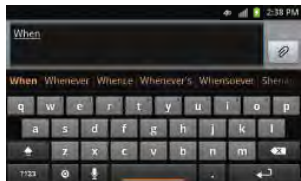


3. Tap the desired number, symbol, or emoticon characters.
4. Tap the **ALT** button to access additional symbols.
5. Tap **ABC** to return to Abc mode.

## Show Suggestions

By using the Show Suggestions option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

1. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.



2. Continue typing your message. Tap **Send** to send the message or press **≡** for more options. For more information, refer to "Creating and Sending Messages" on page 84.




---

**Note:** You can also use the Show Suggestions option in the portrait orientation.

---


### Setting the Show Suggestions Option

The Show Suggestions option is on by default. To turn it on or off, follow these steps:

1. While composing a message, tap .
2. Tap **Android keyboard settings**.
3. Tap **Show suggestions** to create or delete the checkmark.

### Entering Text Using the Samsung Keypad

The Samsung Keypad is an on-screen QWERTY keypad similar to the Android Keyboard with several minor differences.

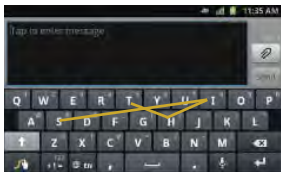
1. From the Home screen, tap **Applications**  → **Settings** → **Language and keyboard** → **Select input method**.
2. Tap the **Samsung keypad** option. A green circle will appear.

For information on changing Samsung Keypad settings, see “*Samsung Keypad settings*” on page 117.

### Entering Text Using Swype

Swype™ is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a tapping predictive text system.

The following example shows how to enter the word “This”. Put your finger down on the “T”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



### Enabling and Configuring Swype

The Android Keyboard is the default text input method, so to use Swype, you must first change the default keyboard setting.

To enable Swype:

1. While composing a message, touch and hold anywhere on the message screen.

2. Tap **Input method**.
3. Tap the **Swype** option. A green circle should appear next to **Swype**.

### Swype Settings

For information on how you can configure your Swype settings, see “*Swype Settings*” on page 116.


### Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-tap on the word you want to change to correct a misspelled word, then tap the delete key to erase one character. Touch and hold the delete key to erase an entire word.

### Using the Voice to Text Feature

You can use your voice to enter text using the Voice to Text feature.

1. From any messaging screen, tap .
2. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
3. **Working...** is displayed while the software is converting your voice to text.
4. The text is displayed in the message.

---

**Note:** The feature works best when you break your message down into smaller segments.

---

## Section 5: Contacts and Your Address Book

---

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.




---

**Note:** When storing an Address Book entry into your SIM card, note that only the name, phone number, group, and slot location are initially offered as fields (some SIM cards may allow an address as well). Although you may add additional fields to a SIM entry; if you move that same SIM card to another model phone, it is possible that only the basic information will be transferred.

---

### Synchronizing your Address Book

You can sync your phone with the contacts in your online Address Book by following these steps:




1. From the Home screen, tap  → **Contacts** .
2. Press  → **More** → **Settings** → **Address Book**.
3. Tap **Yes**.
4. If you have existing contacts on your phone, you are asked if you want to remove them before syncing with the online Address Book. Tap **Yes** to remove them or **No** if you want to keep them.
5. Tap **OK**.

Your phone is now synced with your online Address Book.

## Adding a New Contact

Use the following procedure to add a new contact to your Address Book.


### Saving a Number from the Home screen


1. From the Home screen, tap  → **Contacts**  → .
2. At the **Save contact to** prompt, tap on **Phone**, **SIM**, or **Account**.

---



**Note:** If you choose to save your new contact to your **SIM** card, the only information you can add for the contact is Name, Phone number, and Email address. The following procedure describes how to add a contact to your **Phone**.

---

3. Tap the image icon and assign a picture to the new entry by choosing one of the following options:
  - **Gallery:** allows you to retrieve a previously stored image from your Pictures folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Save**.
  - **Take photo:** allows you to use the camera to take a new picture and assign it to this entry.
  - **Remove icon** although not an option with a new entry, deletes any previously assigned image on an existing contact.
4. Tap the **Given name** and **Last name** fields and use the on-screen keypad to enter names for each entry. For more information, refer to “*Entering Text*” on page 49.
5. Tap  next to the **Last name** field to display additional name fields.
6. Tap the **Phone number** field.  
The numerical keypad is displayed.


The **Mobile** button  initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.

7. Enter the phone number.



Tap  to add another Phone number field or tap  to delete a field.

8. Tap the **Email address** field.

The keypad is displayed.


The **Work** button  initially displays next to the **Email address** field. If you want to add an Email address that is not a Home email address, tap the **Work** button and select from Work, Home, Mobile, Other, or Custom (add your own label).

9. Enter the Email address.


Tap  to add another Email address field or tap  to delete a field.

10. Tap the **Instant msg.** field.


The QWERTY keypad is displayed.

The **Google Talk** button  initially displays next to the **Instant msg** field. If you want to add an instant message address that is not **Google Talk**, tap the **Google Talk** button and select from Google Talk, AIM, Windows Live, Yahoo!, Skype, QQ, ICQ, Jabber, or Custom (add your own label).

11. Enter the IM address.

Tap  to add another Instant msg address field or tap  to delete a field.

12. Tap any of the following fields that you want to add to your new contact:

- **Groups:** assign the contact to ICE - emergency contacts, Co-workers, Family, or Friends.
- **Ringtone:** adds a field used to assign a message tone that will sound when messages are received from this contact. Choose between Default ringtone, Select sound from My files, or Phone ringtone.
- **Postal Address:** adds a field used to assign a physical postal address for this entry.
- **Organization:** adds an organization field for this entry.
- **More:** Tap  to add the following fields:

- **Notes:** adds a field that allows you to jot down notes.
- **Nickname:** adds a field that can be used to enter a nickname for the entry. The Nickname is not displayed when calls are made to or received from the contact.
- **Website:** adds a field for the contact's Web site URL.
- **Birthday:** adds a field for the contact's birthday.
- **Anniversary:** adds a field for the contact's anniversary.

### 13. Tap **Save** to save the new contact.

---

**Note:** By default, you are always asked where you want to save your new contacts to. To change where your contacts are saved to, from the main Contacts screen, press  → **More** → **Settings** → **Save new contacts to**. Select **Always ask**, **Phone**, **SIM**, or **Account**.


---

## Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.





To add a pause or a wait to a Contact:

1. From the Home screen, tap  → **Contacts** , and then tap the name or number to open the Contact.

2. Tap **Edit**.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap .
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to store your changes.

## Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap  → **Contacts** . Tap the Contact that you want to edit.
2. Tap **Edit**.
3. Tap  to add a new field and tap  to delete a field.
4. Tap any of the fields to add, change, or delete information.

5. Tap **Save** to save the edited information.

## Using Contacts

### Dialing or Messaging from Address Book



Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

From the Address book, you can also send messages.

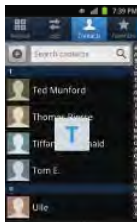
### Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

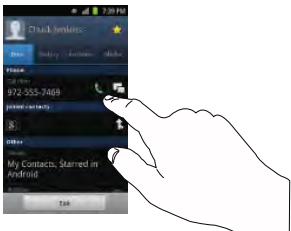
1. From the Home screen, tap  → **Contacts** .

2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.



3. Tap the contact you wish to call or message.

4. Tap the phone icon to make a phone call or tap the message icon to send a message.



For more information, refer to “*Creating and Sending Messages*” on page 84.

---

**Tip:** From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

---

## Joining Contacts

### Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a




corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see “*Synchronizing Accounts*” on page 60.

1. From the Home screen, tap  → **Contacts** .
2. Tap a contact name (the name you want to join to another entry). **Note:** typically this is the same contact with a different name or account information.
3. Press  → **Join contact**.



The contact list is displayed.

4. Tap the second contact entry (the entry in which to join).  
The second contact is now joined with the first and the account information is merged into one screen.




---

**Note:** The information is still maintained in both entries, but displays in one record for easier viewing when you join the contacts.

---




5. Tap the **joined contacts** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

### Unjoining a Contact

1. From the Home screen, tap  → **Contacts** .
2. Tap a contact name (the account name from which you want to unlink an entry). **Note:** typically this is the same contact with a different name or account information.
3. Tap the **joined contacts** bar.
4. Tap the minus sign  next to entry in which you want to unjoin. The contact is now separated and no longer displays in the merged record screen.




### Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, tap  → **Contacts** .
2. Tap a Contact name.
3. Press  → **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap **Save**.

### Synchronizing Accounts




From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap  → **Contacts** .
2. Press  then tap **More** → **Accounts**.
3. Determine which type of account information you want to synchronize with your Contact list. Selections are:
  - **Background data:** (applications that sync, send, and receive data any time).
  - **Auto-sync:** allows applications to automatically synchronize.
4. Tap **Add account**.
5. Tap an account type to add.
6. Follow the on-screen instructions. The selected account type synchronizes with your Contacts list. For more information, refer to “*Synchronizing Accounts*” on page 60.

## Address Book Options



You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

### Options in Address Book

1. From the Home screen, tap  → **Contacts**  then press .
2. The following options display:
  - **Delete:** allows you to delete 1 or more of your contacts.
  - **Speed dial settings:** allows you to set up speed-dialing. For more information, refer to “Making a Call Using Speed Dial” on page 39.
  - **My profile:** allows you to set up a profile for yourself. The information will be the same that you can add for a new contact. For more information, refer to “*Adding a New Contact*” on page 55.
  - **Merge with Google:** allows you to merge your contacts together with your Google account contacts.
  - **Import/Export:** allows you to move contacts to or from your memory card. You can also send a namecard via Bluetooth, Email, Gmail, or Messaging.
  - **More:** the following additional options are displayed:
    - **View Friends:** allows you to get contacts from your friends on Facebook or LinkedIn. You can also get contacts from Microsoft Exchange ActiveSync or Google accounts. Tap Add account and then follow the on-screen instructions.
    - **Accounts:** allows you to add and manage mobile accounts on Facebook or LinkedIn. You can also add Microsoft Exchange ActiveSync or Google accounts. Tap Add account and then follow the on-screen instructions.
    - **Send email:** allows you to send an email using Email or Gmail.
    - **Send message:** allows you to send a text or picture message.
    - **SIM Management:** allows you to copy contacts from your phone to your SIM card or from your SIM card to your phone.

- **Display options:** You can choose to only display contacts that have phone numbers, sort by given or last name, display contacts by given name first or last name first, display contacts stored on your phone, and/or display contacts stored to other accounts. Tap a selection and tap Done.

### Options at Selected Contact Screen

1. From the Home screen, tap  → **Contacts** .

2. Touch and hold a contact.

– or –

Tap a contact and at the contact's display screen, press





3. The following options display depending on whether your contact is saved to your phone or your SIM card:

- **Edit:** allows you to edit the selected contact's information.
- **Delete:** allows you to delete the contact from your Address Book.
- **Join contact:** allows you to join contacts with other contacts (only displays when contact is saved to SIM).

- **Send contact information:** allows you to send a contact's information in a message.
- **Add to favorites:** allows you to add the contact to your favorites list.
- **Add to group:** allows you to add the contact to a pre-defined group such as Family, Friends, or Work. see *"Adding an Entry to a Group"* on page 62.
- **Add/Remove from reject list:** allows you to add this contact to your reject list. If they call, the call will be sent directly to Voicemail. If the contact has already been added to your blacklist, this option will allow you to remove the contact from your blacklist.
- **Send namecard via:** allows you to send the contact's information via Bluetooth, Email, Gmail, or Messaging.
- **Print namecard:** allows you to print the contact's namecard to a Samsung printer using Wi-Fi.
- **Mark as default:** allows you to mark a contact as the default to use in messaging applications.





## Groups

### Adding an Entry to a Group

1. From the Home screen, tap  → **Contacts** .
2. Press and hold the contact name that you want to add to a group.
3. Tap **Add to group**.
4. Tap a group entry.





The contact is added to the group.

### Removing an Entry From a Group

1. From the Home screen, tap  → **Contacts**  → **Groups** .
2. Tap a group entry.
3. Press  → **Remove member**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Remove**.

The contacts are now removed from the group.

### Creating a New Group





1. From the Home screen, tap  → **Contacts**  → **Groups**  →  → **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to “Entering Text” on page 49.
3. Tap **Ringtone** to choose an audio file for assignment to this new group. Choose from **Default ringtone**, **Select sound from My files**, or **Phone ringtone**.

- Tap a music file to play a short sample and then tap **OK** to complete the assignment.

4. Tap **Add member** to select contacts for the new group.
5. Tap **Add**.
6. Tap **Save** to store the new Group category.

### Editing a Caller Group



To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap  → **Contacts**  → **Groups** .
2. Tap a group entry.
3. Press  → **Edit group**.
4. Make modifications to the **Group Name** or **Ringtone** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Save** to save your changes.

### Address Book Favorites



Once you have stored phone numbers in the Address Book, you can add them to your Favorites list.

To view your Favorites list:



- ▶ From the Home screen, tap  → **Contacts**  →

## Favorites

### Adding Favorites to your Address Book

1. From the Home screen, tap  → **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to favorites** on the displayed list.
4. A gold star will appear next to the contact in the Address Book.

### Removing Favorites from your Address Book

1. From the Home screen, tap  → **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap **Remove from favorites** on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

### Managing Address Book Entries




You can copy, delete, and view the memory status for the Phone and SIM entries on your phone.

### Copying an Entry to the SIM Card

---




**Note:** When storing an Address Book entry into the SIM card, note that only the name, phone number, group, and slot location are initially offered as fields (some SIM cards may allow an address as well). To save additional information for a particular contact, such as other phone numbers, or e-mail, it is important to add new fields to that Contact information. It is also important to note that if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

---

1. From the Home screen, tap  → **Contacts**  →  → **More** → **SIM Management**.
2. Tap **Copy Contacts to SIM**.  
The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.
  - Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Copy**.
5. At the **Copy Successful** display, tap **OK**.



The selected numbers are copied to the SIM card.

### ***Copying an Entry to the Phone***

1. From the Home screen, tap  → **Contacts**  →   
→ **More** → **SIM Management**.
2. Tap **Copy Contacts from SIM**.  
The phone then displays a list of your current contacts stored on your SIM card.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
  - Repeat this step for all individual entries you wish copied to your phone or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Copy**.
5. At the **Copy Successful** display, tap **OK**.  
The selected numbers are copied to your phone.

### ***Deleting Address Book Entries***




You can delete Phone or SIM entries from your phone's memory.

1. From the Home screen, tap  → **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to delete.
3. Tap **Delete** on the displayed list.

4. At the **Delete** prompt, tap **OK** to delete the contact or **Cancel** to exit.

### ***Using the Service Dialing Numbers***

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap  → **Contacts**  →   
→ **More** → **Settings**.
2. Tap **Service numbers**.
3. Scroll through the available numbers and tap a number to make a call.

---

**Note:** This menu is available only when your SIM card supports Service Dialing Numbers.

---

## Section 6: Multimedia

---

This section explains how to use the multimedia features of your phone, including Media Hub, Music, Music Player, Movies, Qik Lite, Videos, Gallery, Camera, and Camcorder.

### Media Hub





Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining yourself or your kids on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

---

**Note:** Media Hub usage is based on service availability.

---

### Using Media Hub

1. Sign on to your Google account. For more information, refer to “*Signing into Your Gmail*” on page 91.
2. You must allow your phone to allow installation of non-market applications. From the Home screen, tap  → **Settings** → **Applications**.
3. Tap **Unknown sources**.  
A check mark is displayed to indicate it is active.
4. From the Home screen, tap  → **Media Hub** .
5. At the **Attention** prompt, tap **OK** to use the Samsung Account App to run Media Hub.
6. Tap **Install**.
7. When the installation is finished, tap **Done**.
8. Read the End-User License Agreement (EULA) and tap **I agree to the Terms and Conditions**.
9. Tap **Accept**.  
The Media Hub **What's New** screen displays.
10. Tap  to access the following options:
  - **Movies:** displays movies that are available for rent or purchase. Scroll through the top navigation bar and select a movie category. The movies of that type will be displayed below.
  - **TV Shows:** displays TV shows that are available for purchase. Scroll through the top navigation bar and select a TV category. The TV shows of that type will be displayed below.

- **My Media:** allows you to view all of the media that you have purchased or rented. Tap a media entry to view it.
11. Scroll through the media listings and tap on an item you would like to purchase or rent.
  12. Information concerning the media displays. Tap **Buy SD** or **Rent SD**.

---

**Note:** TV shows only have the **Buy SD** option.



---

13. In order to rent or buy media, you must first create an account. Use the keypad to enter the required information, then tap **Create Account**.
14. Choose a payment method and then follow the on-screen instructions.
15. The media will now be stored in the My Media folder.

## Music Player

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

## Playing Music

1. Tap  → **Music Player** .
2. Read the Music Player tips and tap **Done** when you are finished. Tap the **Do not show again** field if you don't want to see the tips again.
3. Tap a library category at the top of the screen (All, Playlists, Albums, or Artists) to view the available music files.
4. Scroll through the list of songs and tap an entry to begin playback.
5. The following Music Player controls are available:



Pause the song.



Start the song after being paused.



Press and hold to rewind the song. Tap to go to previous song.



Press and hold to fast-forward the song. Tap to go to next song.



Volume control.



Repeat one: repeats the currently playing song.





Repeat all: repeats the current list when the list ends.



Play All: plays the current song list once.



Shuffle On: the current list of songs are randomly shuffled for playback.



Shuffle Off: songs play in order and are not shuffled.



Allows you to listen to music using 5.1 Virtual Surround Sound.



Displays your list of songs.

---

**Note:** The 5.1 channel sound effect works in earphone mode only.

---

## Music Player Options

To access additional options, follow these steps:

1. While in the Music Player, press
2. The follow options are available:
  - **Add to quick list:** adds the current music file to the Quick list.
  - **Via Bluetooth:** scans for devices and pairs with a Bluetooth headset.
  - **Share music via:** allows you to share your music by using AllShare, Bluetooth, Email, Gmail, Messaging, or Wi-Fi.

- **Set as:** allows you to set a song as a Phone ringtone, Caller ringtone, or Alarm tone.
- **Add to playlist:** allows you to add the current music file to a selected playlist.
- **More:** displays the following:
  - **Settings:** allows you to change your music player settings. For more information, refer to “*Music Player Settings*” on page 68.
  - **Details:** allows you to view media info such as Artist, Title, Album, Track Length, Genre, Recording date, etc.

## Music Player Settings

The Music Player Settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.




1. From the Home screen, tap → **Music Player**
2. Press → **Settings**.
3. Select one of the following settings:
  - **Equalizer:** set a type of equalization. Selections are: Auto, Normal, Pop, rock, Jazz, Dance, Classic, Live, or Custom.
  - **Sound effect:** configure the music effects. Selections are: Normal, Wide, Concert Hall, Music clarity, Bass enhancement, or Externalization.
  - **Music menu:** this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Folders,

Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.

## Using Playlists



Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

### Creating a Playlist

1. From the Home screen, tap  → **Music Player** .
2. Tap the **Playlists** tab.
3. Press  → **Create**.
4. Type a name for this playlist in the field and tap **Save**.

### Adding Music to a Playlist




To add files to the playlist:

1. From the Home screen, tap  → **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap **Add music**.

5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Add**.

### Removing Music from a Playlist




To remove music files from a playlist:

1. From the Home screen, tap  → **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press  → **Remove**.
5. Tap the checkbox to the right of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

### Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap  → **Music Player** .
2. Tap **Playlists**.
3. Press  → **Edit**.
4. Tap a playlist name to edit.

5. Enter a new name for the playlist then tap **Save**.

For information on downloading music for your phone, see “Market” on page 151.

## Music

With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.


1. From the Home screen, tap  → **Music** .

Your music is displayed as icons on the screen.



2. Sweep your screen to the left to see all of your music.
3. Touch an icon to play the song.
4. Follow the on-screen instructions.

## Movies

The Movies application allows you to rent movies to watch on your phone.

1. From the Home screen, tap  → **Settings** → **Applications** → **Unknown sources**.

You are now allowed to download non-Market applications.

2. From the Home screen, tap  → **Movies** .
3. Read the Terms of Service, enter any required information, and tap **OK**.
4. Follow the on-screen instructions to rent movies.



## Qik Lite

Qik Lite is a mobile video sharing service that lets you record and share experiences with your friends, family, and your favorite social networks. Your video is automatically saved as you record. You can also use Qik Lite to Video Chat with your friends.

---

**Note:** The first time you use Qik Lite, you will need to download the updated application from the Market. When the Market page displays, tap **Update** or **Install** then follow the onscreen instructions. For more information, refer to “Market” on page 151.



---

1. You will need to sign onto a Wi-Fi network first in order to use Qik Lite. For more information, refer to “Wi-Fi” on page 128.
2. Tap  → **Qik Lite** .
3. The first time you access Qik Lite, tap **Get started!** to create your Qik account and follow the onscreen prompts. The instructions will help you download the app from the Market. Otherwise, tap **Sign in**.
4. Tap the **username** and **password** fields and enter your information, then tap **Login**.
5. Select one of the following options and follow the onscreen instructions. For more information, visit <http://qik.com/>.

- **Video Chat:** allows you to participate in two-way video chats.
- **Video Mail:** allows you to send videos by email.
- **Record & Share:** allows you to record videos and have them instantly uploaded to the web for sharing or safe-keeping.
- **Video Gallery:** allows you to see all of your videos.

## Using Video Call

To use Video Chat, you and the person you want to Video Chat with must have a Qik Video account and be signed in.

1. Tap  → **Qik Lite** .
2. Sign on to your Qik Video account and tap **Video Chat**.
3. At the Video Chat screen, tap **Dialpad**, then enter the phone number or the Qik user name of the person you want to Video Chat with.
4. Tap **Start Video Chat**.

The phone number you dialed will ring in the usual manner and they must answer the call for the video chat to begin.

---



**Note:** If the contact is not a Qik user, you have the option to send them a video mail. Tap Yes to continue, then tap Record new or Browse Gallery.








---

5. To end the Video Chat, tap **End Chat**.

## Videos

The Videos application plays video files stored on your microSD card.

1. Tap  → **Videos** .
2. All videos that you have on your memory card will be displayed. Tap the video that you want to play.
3. The video will begin to play.
4. The following video controls are available:

-  Pause the video.
-  Start the video after being paused.
-  Press and hold to rewind the video. Tap to go to previous video.
-  Press and hold to fast-forward the video. Tap to go to next video.
-  Volume control.
-  Original size view. The video will be played in its original size.
-  Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.



Full-screen view. The entire screen is used, which may cause some minor distortion.



Allows you to listen to music using 5.1 Virtual Surround Sound.

---

**Note:** The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

---

---

**Note:** The 5.1 channel sound effect works in earphone mode only.

---

For more information on downloading videos for your phone, see “Market” on page 151.

## Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. Tap  → **Gallery** .

All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.

2. Tap an Album and thumbnails of the contents will be displayed.

---

**Note:** If your device displays that the memory is full when you access Gallery, delete some of the files by using **My Files** or other file management applications and try again. For more information, refer to “*My Files*” on page 154.

---


### Viewing Pictures

1. Tap a thumbnail to view the picture.

---

**Note:** If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

---

2. The following options are available:
  - **Send via:** allows you to send the picture via Bluetooth, Email, Gmail, Messaging, or Wi-Fi.
  - **Delete:** allows you to delete the picture. Tap **Confirm deletions** and the picture will be deleted.
3. Press  for additional options:
  - **Share via:** allows you to share the picture via AllShare, Facebook, Google+, Picasa, and Social Hub.
  - **Set as:** allows you to set the picture as a Contact icon., Home screen wallpaper, or Lock screen wallpaper.

- **More:** displays additional options for editing and printing such as Copy, Print, Crop, Rotate left, Rotate right, Slideshow, Rename, and Details.

### Viewing Videos

---

**Note:** If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

---

1. Touch and hold a video to select it. A checkmark will appear on the thumbnail.
2. The following options are available:
  - **Send via:** allows you to share the video via Bluetooth, Email, Gmail, Messaging, or Wi-Fi.
  - **Delete:** allows you to delete the video. Tap **Confirm deletions** and the video will be deleted.
  - **More:** displays the following additional options:
    - **Share via:** allows you to share a video via Facebook or YouTube.
    - **Play via:** allows you to play a video via AllShare.
    - **Rename:** allows you to rename a video.
    - **Details:** provides details about the picture such as Title, Type, Date taken, name of the Album it is in, Location, Latitude and Longitude (GPS coordinates), Size, Resolution, Duration, and File location.
3. Tap a thumbnail to play the video.

For video player controls, see “*Videos*” on page 72.

## Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 5 Megapixel camera produces photos in JPEG format.

---

**Important!** Do not take photos of people without their permission.  
Do not take photos in places where cameras are not allowed.  
Do not take photos in places where you may interfere with another person's privacy.

---

## Using the Camera


### Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

---

**Note:** When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.


---

1. From the main Home screen, tap **Camera**  to activate the camera mode.

---

**Note:** The main Home screen initially contains the **Camera**  icon. If you delete it, or if you want to access the camera from another Home screen, you must tap **Applications**  → **Camera** .

---

2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.
5. You can also tap the screen to move the focus to the area you touch.
6. Press the Camera key () until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.) For more information, refer to "*Camera Options*" on page 75.

---

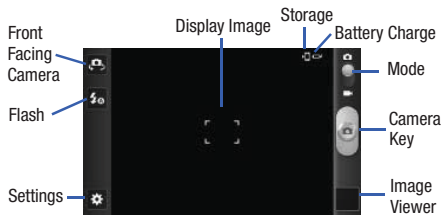
**Note:** The number of JPEG pictures remaining on the selected media appears in the upper-right of the screen. This is an approximate number of total pictures that can be taken at the current image size.


---

---

**Note:** To enable the GPS icon, from the Camera screen tap  **Settings** → **GPS tag** → **On**.

---



7. To view a picture, tap the Image Viewer.
8. While viewing a picture, double-tap the screen to zoom in or out.  
– or –  
Pinch the screen inwards to zoom out or pinch it outwards to zoom in.
9. Press  to return to the viewfinder.

## Camera Options

Options are represented by icons across both sides of the screen.

---

**Note:** The options disappear after a few seconds. Tap the screen to make them reappear.

---



**Camera / Camcorder Mode:** allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.



**Self portrait:** allows you to set the front camera so you can take pictures of yourself or video chat.



**Flash:** allows you to set the flash options to Off, On, or Auto flash.



**Settings:**

**Edit shortcuts:** allows you to set shortcut icons for the settings that you use the most.

**Self portrait:** allows you to set the front camera so you can take pictures of yourself or video chat.

**Flash:** allows you to set the flash options to Off, On, or Auto flash.

**Shooting mode:** allows you to set the shooting mode. Options are:





### Settings (continued):

- **Single shot:** takes a single photo and view it before returning to the shooting mode.
- **Smile shot:** the camera focuses on the face of your subject. Once the camera detects the person's smile, it takes the picture.
- **Panorama:** takes a landscape photo by taking an initial photo and then adding additional images to itself. The guide box lets you view the area where the second part of the panoramic picture should fall within.
- **Action shot:** detects action and creates a panorama of the moving object.
- **Cartoon:** gives your photo a cartoon look.

**Scene mode:** allows you to set the Scene to help take the best pictures possible. Options include None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall color, Firework, Text, Candlelight, and Backlight. Helpful tips are shown for each scene mode at the bottom of the display screen.

**Exposure value:** allows you to adjust the brightness level by moving the slider.

**Focus mode:** allows you to set this option to Auto focus or Macro. Use Macro mode to take close-up pictures. Use Auto focus for all others.

**Timer:** allows you to set a timer for how long to wait before taking a picture. Options include: Off, 2 sec, 5 sec, and 10 sec.

**Effects:** allows you to change the color tone or apply special effects to the photo. Options include: None, Negative, Grayscale, and Sepia.

**Resolution:** allows you to set the image size to either: 5M (2560x1920), W4M (2560x1536), 3.2M (2048x1536), W2.4M (2048x1232), 2M (1600x1200), W1.5M (1600x960), W0.9M (1280x720), W0.4M (800x480), or 0.3M (640x480).



### Settings (continued):

**White balance:** allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

**ISO:** ISO determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, or 400. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots

**Metering:** allows you to set how the camera measures or meters the light source: Center-weighted, Spot, or Matrix.

**Guidelines:** allows you to turn the guidelines On or Off.

**Image quality:** allows you to set the image quality to: Superfine, Fine, or Normal.

**GPS tag:** allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. (Only available in Camera mode.)

**Shutter sound:** allows you to set the Shutter sound to On or Off.

**Storage:** allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

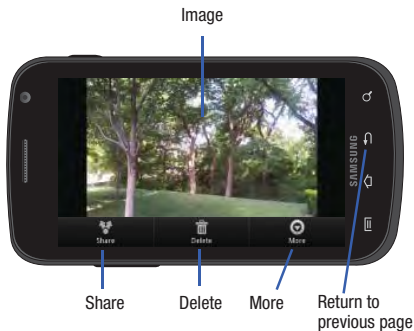
**Reset:** allows you to reset all camera or camcorder settings to the default values.



**Image viewer:** allows you to access the Image viewer and the various viewing options for a selected picture. Image viewer options are described in the following section. The last picture you took, will be displayed as a thumbnail in the Image viewer icon.

## Picture Image Viewer Options

After you take a photo, you can access various options from the Image Viewer.



Available options are:

- **Share:** offers several ways to share your picture or video. Options are: AllShare, Bluetooth, Email, Facebook, Gmail, Google+, Messaging, Picasa, Social Hub, and Wi-Fi.
- **Delete:** allows you to delete the current picture. Tap **OK** to delete or **Cancel**.

- **More:** allows you to do the following:
  - **Set as:** allows you to assign the current image as either your current Wallpaper or as a Contact icon to display for a specific entry within your Address Book.
  - **Rename:** allows you to rename a picture or video.
- **Return to previous page** (🔍): takes you back to the previously active camera page where you can take another photo.

## Accessing Pictures

When you take a picture, the file is saved in the Camera folder. You can view your pictures immediately or view them anytime in the Camera folder.

1. From the Home screen, tap  → **My Files**  → **DCIM** → **Camera**.
2. Tap a photo file to open it in the Image viewer.
3. Sweep the screen to the left to see the next picture or to the right to see the previous picture.

Before you select a picture, press  in the Camera folder to see the following options:




- **Share:** lets you share selected pictures with AllShare, Bluetooth, Email, Facebook, Gmail, Google+, Messaging, Picasa, Social Hub, Wi-Fi, or YouTube.

- **Create folder:** create a new sub-folder in the current folder. Can be on either the Phone or Memory Card.
- **Delete:** allows you to delete selected pictures. Tap the checkmark, to turn it green, next to any file or folder you want to delete, then tap Delete.
- **View as:** allows you to view the contents of the current folder as a list, as a list and details, or as thumbnails.
- **List by:** allows you to view the contents of the current folder sorted by Time, Type, Name, or Size.
- **More:** provides you with the additional options: Move, Copy, Rename, and Settings.
  - **Move:** allows you to move one or more pictures to a different folder.
  - **Copy:** allows you to copy one or more pictures to a different folder.
  - **Rename:** allows you to rename one or more picture files.
  - **Settings:** lets you set several general folder options:
    - **Show hidden files:** causes files and folders that would normally be hidden to be displayed.
    - **Show file extension:** causes file extensions to be displayed. For example, jpg.
    - **Set Home directory:** allows you to choose and set the Home directory.

### Selecting and Using the Pictures





From the Image viewer, you have access to both macro functions (zoom, crop, and rotate) and menu options. For more information, refer to “*Picture Image Viewer Options*” on page 78.

### Assigning an Image to an Address Book Entry

1. From the Home screen, tap  → My Files  → DCIM → Camera → <image>.
2. Press  → Set as → Contact icon. Tap a contact entry.
3. Touch and drag the orange crop box anywhere on the picture.
4. Tap **Save**.

For more information, refer to “*Contacts and Your Address Book*” on page 54.

### Assigning an Image as a Wallpaper

1. From the Home screen, tap  → My Files  → DCIM → Camera → <image>.
2. Press  → Set as → Home screen wallpaper.  
– or –  
Press  → Set as → Lock screen wallpaper.
3. Touch and drag the orange crop box anywhere on the picture.
4. Tap **Save** to assign the wallpaper image. Tap **Cancel** to stop without updating the wallpaper image.

## Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

---

**Note:** The camera may not be able to properly record videos to a memory card with a slow transfer speed.




---



## Shooting Video

---

**Tip:** When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

---

1. From the main Home screen, tap **Camera**  to activate the camera mode.
2. Tap and slide the Camera mode button down to Camcorder Mode.
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
4. Tap the Video key (  ) to begin shooting video. The red light will blink while recording.
5. Tap the Video key (  ) again to stop the recording and save the video file to your Camera folder.

6. Once the file has been saved, tap the image viewer, then tap  to play your video for review.
7. Press  to return to the viewer.

## Camcorder Options

Options are represented by icons across both sides of the screen.

---

**Note:** The options disappear after a few seconds. Tap the screen to make them reappear.

---



**Camera / Camcorder Mode:** allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.



**Recording mode:** allows you to set the recording mode to: Normal, which is limited only by available space on the destination location, Limit for MMS, which is limited by MMS size restrictions, and Self recording which activates the front-facing camera so you can video yourself.



**Flash:** allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.



#### **Settings:**

**Edit shortcuts:** allows you to set shortcut icons for the settings that you use the most.

**Flash:** allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

**Recording mode:** allows you to set the recording mode to: Normal, which is limited only by available space on the destination location, Limit for MMS, which is limited by MMS size restrictions, and Self recording which activates the front-facing camera so you can video yourself.

**Exposure value:** allows you to adjust the brightness level by moving the slider.

**Timer:** allows you to set a timer for how long to wait before taking a video. Options include: Off, 2 sec, 5 sec, and 10 sec.

**Effects:** allows you to change the color tone or apply special effects to the photo. Options include: None, Negative, Grayscale, and Sepia.

**Resolution:** allows you to set the image size to either: 1280x720, 720x480, 640x480, 320x240, or 176x144.

**White balance:** allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

**Video quality:** allows you to set the image quality to: Superfine, Fine, or Normal.

**Guidelines:** allows you to turn the guidelines On or Off.

**Storage:** allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

**Reset:** allows you to reset all camera or camcorder settings to the default values.



**Image viewer:** allows you to access the Image viewer and the various viewing options for a selected video. Image viewer options are described in the following section. The last video you took, will be displayed as a thumbnail in the Image viewer icon.

### Camcorder Options after a Video is Taken

After you shoot a video, you can access various options from the Image Viewer.



► The following options are available:


- **Share:** offers several ways to share your video. Options are: AllShare, Bluetooth, Email, Facebook, Gmail, Messaging, Wi-Fi, and YouTube.
- **Delete:** allows you to delete the current video. Tap **OK** to delete or **Cancel**.
- **More:** allows you to access the following additional options:
  - **Play:** allows you to play the video
  - **Rename:** allows you to rename the video.

### Accessing Videos

When you shoot a video, the file is saved in the Camera folder. You can view your videos immediately or view them anytime in the Camera folder.

1. From the Home screen, tap  → **My Files**  → **DCIM** → **Camera**.

2. Tap a video file to open it in the viewer and initiate playback.
3. To pause the video, tap . To play the video, tap .

Before you select a video to play, press  in the Camera folder to see the following options:

- **Share:** lets you share the selected videos with AllShare, Bluetooth, Email, Facebook, Gmail, Google+, Messaging, Picasa, Social Hub, Wi-Fi, or YouTube.
- **Create folder:** create a new sub-folder in the current folder. Can be on either the Phone or Memory Card.
- **Delete:** allows you to delete selected videos. Tap the checkmark, to turn it green, next to any file or folder you want to delete, then tap Delete.
- **View as:** allows you to view the contents of the current folder as a list, as a list and details, or as thumbnails.
- **List by:** allows you to view the contents of the current folder sorted by Time, Type, Name, or Size.
- **More:** provides you with the additional options: Move, Copy, Rename, and Settings.
  - **Move:** allows you to move one or more videos to a different folder.
  - **Copy:** allows you to copy one or more videos to a different folder.
  - **Rename:** allows you to rename one or more video files.
  - **Settings:** lets you set several general folder options:
    - **Show hidden files:** causes files and folders that would normally be hidden to be displayed.

- **Show file extension:** causes file extensions to be displayed. For example, 3gp.
- **Set Home directory:** allows you to choose and set the Home directory.

Once you have selected a video to play, press  to display the following options:




- **Share video:** to share the current video by way of AllShare, Bluetooth, Email, Facebook, Gmail, Messaging, Wi-Fi, or YouTube.
- **Details:** displays file information such as file name, format, resolution, and file size.
- **Via Bluetooth:** scans for a Bluetooth device on which to play the video.
- **Settings:** allows you to set the screen brightness.
- **Subtitles:** allows you to see subtitles on shared media (only if available).






While viewing a video, you can also adjust the screen view. Screen view allows you to select Original Size, Full-Screen, or Full-Screen in Ratio to view your video.

---

**Note:** The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

---

- **Original Size:** () the video will be played in its original size.
- **Full-Screen in Ratio View:** () the video is enlarged as much as possible without becoming distorted.
- **Full-Screen View:** () the entire screen is used, which may cause some minor distortion.

- **Pause/Resume:** tap  to pause the video being played. Tap  to resume playing.
- **Previous/Next:** tap  to jump to the previously played video or tap  to jump to the next video file in the Camera folder.
- **Exit:** to return to the videos list, press the  key twice.



## Section 7: Messaging

---

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

### Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Google Talk

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.



---

**Important!** When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

---

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to “Indicator Icons” on page 17.



### Creating and Sending Messages

1. From the main Home screen, tap **Messaging**  → **New message** .

---

**Note:** The main Home screen initially contains the **Messaging**  icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Applications**  → **Messaging** .

---

2. Tap on the **Enter recipient** field to manually enter a recipient or tap  to select a recipient from your Contacts.
3. If you tapped the  icon, tap the **Contacts**, **Recent**, **Groups**, or **Favorites** tab. The **Contacts** tab is the default.
4. Tap the desired contact to place a checkmark, then tap **Add**.

The contact will be placed in the recipient field.

---

**Note:** For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

---

**Note:** Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

---



5. Tap the **Tap to enter message** field and use the on-screen keypad to enter a message. For more information, refer to “*Entering Text*” on page 49.
  6. Add more recipients by tapping the recipient field.
  7. Review your message and tap **Send**.
- 


**Note:** If you exit a message before you send it, it will be automatically saved as a draft.

---

## Message Options

### Options before composing a message

1. From the main Home screen, tap **Messaging** .
2. Before composing a message, press  to reveal additional messaging options:


- **Search:** allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap .
- **Settings:** allows you to access Messaging settings. For more information, refer to “*Messaging Settings*” on page 88.
- **Delete threads:** allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap **Delete**.

### Options while composing a message

1. While composing a message, press  to reveal additional messaging options.
  - **Insert smiley:** allows you to add emoticons, such as a happy face to your message.
  - **Call:** allows you to call the contact. This option only appears if you have entered a phone number for the recipient.
  - **Add text:** allows you to copy text from your location, contacts, calendar, memo, or task to add to your message. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to “*Adding Additional Text*” on page 86.
  - **Add to Contacts:** allows you to add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.
  - **View contact:** allows you to see information on the recipient. This option only appears if the recipient is in your Contacts list.

- **Add slide:** allows you to add a new page to a message.
- **Delete message(s):** allows you to delete a message. This option only appears if you have one or more messages in your inbox.

### Adding attachments to a message


To add an attachment to your message tap  and select one of the following options:

- **Picture:** allows you to tap an existing image from your Pictures list to add it to your message.
- **Take picture:** allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.
- **Video:** allows you to choose an existing video from the Videos list, then add it to your message.
- **Capture video:** allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio:** allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **OK**.
- **Record audio:** allows you to temporarily exit the message and record an audio clip using the phone's microphone. When you tap **Stop**, the audio is automatically attached to the message.
- **Location:** allows you to attach a thumbnail of a map showing your location.

- **Contacts:** allows you to tap on an existing Address Book entry, then add it to your message by tapping **Add**.
- **Calendar:** allows you to tap on an existing Calendar event, then add it to your message by tapping **Add**.
- **Memo:** allows you to tap on an existing Memo, then add it to your message by tapping **Attach**.
- **Task:** allows you to tap on an existing Task list, then add it to your message by tapping **Attach**.

### Adding Additional Text


You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press  → **Add text**.
2. At the Add text screen, select one of the following:
  - **Location:** allows you to add an address and the link to the location on Google Maps.
  - **Contacts:** allows you to add the name and phone number of any of your contacts to your message.
  - **Calendar:** allows you to add the name, date, and time of a calendar event to your message.
  - **Memo:** allows you to add an entire memo to your message.
  - **Task:** allows you to add a task to your message.
3. Tap the information you want to send. This will place a checkmark next to the item.

4. Tap **Add**.


The text is added to your message.

## Viewing Newly Received Messages



1. When you receive a new message, the new message  icon will appear at the top of your screen.

2. Open the Notification Bar and select the message. For more information, refer to “*Notification Bar*” on page 35.

– or –

From the main Home screen, tap **Messaging**  then tap the new message to view it.

The selected message appears in the display.


3. To play a multimedia message, tap .
  - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

## Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the

messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To open a threaded message follow these steps:

1. From the main Home screen, tap **Messaging** .


Tap the message thread you want to view.

2. Touch and hold the message thread to display the following options:

- **View contact:** displays the contact's information. This option only displays if the sender is in your Contacts list.
- **Add to Contacts:** displays the Contacts information screen. This option only displays if the sender is not in your Contacts list.
- **Delete thread:** displays a confirmation dialog box that when pressed, deletes the entire thread.



## Deleting Messages

### Deleting a single message

1. From the main Home screen, tap **Messaging** .
2. Tap the message that you want to delete.
3. Once the message screen is displayed, touch and hold the message, then tap **Delete message**.




4. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

### Deleting multiple messages

1. From the main Home screen, tap **Messaging** .
2. Press  → **Delete threads**.
3. Tap each message you want to delete. A checkmark will appear beside each message you select.
4. Tap **Delete**.
5. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

### Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap  → **Search**.
3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the search string you entered are displayed.

### Messaging Settings

To configure the settings for text messages, multimedia messages, Voicemails, and Push messages.

1. From the main Home screen, tap **Messaging**  →  → **Settings**.
2. The following Messaging settings are available:
  - **Font size:** allows you to set the size of your message text to Normal, Small, or Tiny.
  - **Split view:** allows you to enable split view when you have the phone in landscape orientation.
  - **Delete old messages:** deletes old messages when the limit is reached, rather than having them overwritten.
  - **Text message limit:** allows you to set a limit on how many text messages can be in one conversation.
  - **Multimedia message limit:** allows you to set a limit on how many multimedia messages can be in one conversation.
  - **Manage SIM card messages:** allows you to manage the messages that you have stored on your SIM card.
  - **Message center:** allows you to enter the number of your message center where your messages reside while the system is attempting to deliver them.
  - **Input mode:** allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.

- **Auto-retrieve:** allows the message system to retrieve messages automatically.
- **Creation mode:** allows you to select the creation mode, Free, Restricted, or Warning.
  - **Restricted:** you can only create and submit messages with content belonging to the Core MM Content Domain.
  - **Warning:** the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.
  - **Free:** you may add any content to the message.
- **Push messages:** allows you to receive push messages from the network.
- **CB activation:** allows you to receive Cell Broadcast (CB) messages.
- **Channel configuration:** allows you to set up the channel that you will receive CB messages on.
- **Language:** allows you to select all of the languages that you want to receive CB messages in.
- **Notifications:** allows you to see message notifications on your status bar.
- **Select ringtone:** allows you to set the ringtone for your message notifications.

## Using Email


Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

### Creating an Email Account

---

**Note:** If you want to set up a Corporate email account, see “Synchronizing a Corporate Email Account” on page 90.

---


1. From the Home screen, tap **Email** .


Your accounts screen displays with an Email setup screen displayed.

2. Enter your email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Next**.
6. Enter an account name for this email account (optional).
7. Tap **Done**.

## Synchronizing a Corporate Email Account


Use the following procedure to configure your phone to synchronize with a corporate email account.


1. From the Home screen, tap **Email** .  
Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to use this email with Social Hub, tap **Set as premium account** to create a checkmark.
5. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
6. Scroll down and tap **Manual setup**.
7. Tap the **Microsoft Exchange ActiveSync** field.
8. Enter all the Exchange server information, Domain, Username and Password, then tap **Next**.
9. At the prompt tap **OK**.  
The Account options screen is displayed.

10. Enter the desired information in the different fields, then tap **Next**.
11. Enter an Account name for this account (Optional).  
Wait for the Inbox to synchronize before use.
12. Tap **Done**.
13. Press  → **More** → **Account Settings** to change the account settings.


## Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap **Email** .  
Your Email screen displays showing your emails from the active account.
2. Tap the box in the upper left corner of your screen that displays the optional name you assigned to your first email account, for example, Work, Gmail, etc.  
Your Email account screen is displayed.

3. Press  → **Add account** then enter the information required to set up another account. For more information, refer to “*Creating an Email Account*” on page 89.

### Switching Between Email Accounts

1. From the Home screen, tap **Email** .  
Your Email screen displays showing your emails from the active account.
2. Tap the box in the upper left corner of your screen that displays the optional name you assigned to your first email account, for example, Work, Gmail, etc.  
Your Email account screen is displayed.
3. In the **Accounts** section, tap the Email account you would like to switch to.
4. The new Email account is displayed.

### Using Gmail

Gmail is Google’s web-based email. When you first setup the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

### Signing into Your Gmail

1. From the Home screen, tap  → **Gmail** .


---

**Note:** You must sign in to your Gmail account in order to access Gmail.



---

2. Sign in if you have a Google account, or tap **Create an account** and tap **OK**.
3. Follow the on-screen instructions.  
The Inbox loads conversations and email.

### Refreshing Gmail

- ▶ Press  → **Refresh** to send and receive new emails and synchronize your email with the Gmail account.


### Creating a Gmail Message

1. From the Gmail Inbox, press  → **Compose**.
2. Enter the recipients Email address in the **To** field.  
Separate multiple recipient email addresses with a comma.
3. Tap  and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.



5. Tap the **Compose Mail** field and begin composing your message.
6. Tap  to send.



### Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. the following options are available:
  - **Archive**: archives the selected Email.
  - **Delete**: deletes the Email.
  - **Next**:  displays the next Email in your inbox.
  - **Previous**:  displays the previous Email in your inbox.
3. Press  to select one of the following additional options:
  - **Change labels**: changes the label on the email or conversation.
  - **Mark unread**: unread messages or threads with unread messages display in boldface text in the Inbox.
  - **Go to inbox**: returns you to your Gmail Inbox.
  - **Mute**: mutes the conversation (Email thread).
  - **Add/Remove star**: click a message's star to add or remove the star (just like clicking flags in Outlook).
  - **More**:
    - **Report spam**: reports the Email message as spam.
    - **Settings**: displays Email settings that you can modify.

- **Help**: displays the Google.com webpage so you can search the web for help.
- **Select text**: allows you to copy text to your clipboard.

### Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. From the Home screen, tap  → **Talk** .
2. Press **Next** to set up a Google account or to Sign in.
3. Tap **Create** to create a new Google account.
  - or –
  - Tap **Sign in** if you have an existing Google account.
4. After entering your user name and password, press the **Down Navigation** key.
5. Tap **Sign in**.
6. Begin using Google Talk.

---

**Note:** The Network confirms your login and processes. This could take up to 5 minutes to complete.

---



---

**Note:** If you have already signed into an IM account, it is displayed on the Talk application screen.

---

## Messages App

Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

1. From the Home screen, tap  → **Messages** .
2. Sign on to your Google account if you are not already signed on. For more information, refer to “*Creating a New Google Account*” on page 10.

---



**Note:** The first time you use the Messages app, you will need to download the updated application from the Market. When the Market page displays, tap **Update**. For more information, refer to “*Market*” on page 151.

---

3. The first time you use Messages, you will need to set up a few things. Tap **Record Greeting** to record a personal greeting, or tap **Skip** if you want to do it later.
4. Follow the on-screen instructions to use the Messages app.

## Google +





Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to “*Creating a New Google Account*” on page 10.
2. From the Home screen, tap  → **Google+** .
3. Select the account you want to use to sign in to Google+.  
– or –  
Tap **Create a new account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit [www.google.com/mobile/+/](http://www.google.com/mobile/+/) for more information.

## Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account. For more information, refer to “*Creating a New Google Account*” on page 10.

2. From the Home screen, tap  → **Messenger** .  
– or –  
From the Google+ application, select **Messenger** .
3. Select the account you want to use to sign in to Google+.  
– or –  
Tap **Create a new account** to create another account.
4. At the **Messenger** screen, tap  to start a new message.
5. In the upper text field, enter a name, email address, or circle.
6. In the bottom message field, enter a message then tap  .
7. From the **Messenger** screen, tap **Learn more** for more detailed information.

## Section 8: Changing Your Settings

---

This section explains the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

### Wireless and Network



#### Airplane mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.


---

**Important!** When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

---


1. From the Home screen, tap  → **Settings** → **Wireless and network**.
2. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active. The Airplane mode icon  is displayed at the top of your screen.

#### Activating Wi-Fi

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Wi-Fi**. A check mark displayed indicates Wi-Fi is active. For more information, refer to “*Wi-Fi*” on page 128.

#### Network Notification

By default, when Wi-Fi is on, you receive notifications in the Status bar anytime your phone detects an available Wi-Fi network. You can deactivate this feature if you do not want to receive notifications.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Network notification**. A check mark displayed next to the feature indicates Network notification is active.
3. Tap **Network notification** again to remove the checkmark and deactivate this feature.

## WPS Button Connection


The WPS (Wi-Fi Protected Setup) button is a standard for easy and secure wireless network set up and connections. To use WPS, the connecting device must support WPS and be compatible with Wi-Fi Protected Access (WPA) security. WPS can automatically set up a random network name and WPA wireless security for wireless Wi-Fi phones, routers, access points, computers, adapters, and other electronic devices.

WPS allows you to push buttons instead of entering a network name and wireless security PIN.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **WPS button connection**.
3. Press the WPS button on your Wi-Fi access point within 2 minutes.


## Wi-Fi networks

All Wi-Fi networks that your phone can recognize are displayed.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap a network that you want to connect to.
3. Tap **Connect**.
4. Enter the Password if required.


## Adding a Wi-Fi network

If a desired Wi-Fi network is not displayed in the Wi-Fi networks list, you can manually add it.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Scroll to the bottom of the menu and tap **Add Wi-Fi network**.
3. Enter the **Network SSID** and **Security** information and tap **Save**.

## Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi Direct settings**.
2. On your phone, at the **Scan for devices** prompt, tap **OK**. Tap the **Do not show again** checkbox if you want to skip this step in the future.
3. Tap **Wi-Fi Direct**. A check mark displayed indicates Wi-Fi Direct is active. For more information, refer to “*Wi-Fi Direct*” on page 130.
4. Tap **Device name** if you want to change the name of your device. The default name is AndroidP2PXXXX, where XXXX is a randomly generated number.
5. The **Status** field shows whether your device is Connected or Disconnected from Wi-Fi Direct.
6. Tap **Disconnect Wi-Fi Direct** when you are ready to disconnect your device.

## Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

### Activating Bluetooth



- ▶ From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Bluetooth** to turn it on.

---

**Note:** Bluetooth must be enabled prior to use.

---

### Device Name

1. Activate Bluetooth. For more information, refer to “*Turning Bluetooth On and Off*” on page 131.
2. From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Device name**. The assigned device name displays.
3. Press  to erase the current device name and enter a new name for this device using the keyboard.
4. Press **OK** to confirm your setting.

## Visible

- ▶ From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Visible**.

The phone is now activated for discovery for 119 seconds so you can pair with another device. After 119 seconds the phone becomes invisible again.


## Visible time-out

Visible time-out option allows you to make your device visible for a certain time limit and become invisible. This option can only be accessed when your device is set to Visible.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Visible time-out**.
2. Tap **2 Minutes**, **5 Minutes**, **1 Hour**, or **Never**.

## Scan for devices

This option allows you to scan for active Bluetooth devices so you can pair with them.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Scan for devices**.  
Your phone begins scanning and lists any discovered devices in the Bluetooth devices section.

2. Tap a device name to pair with the device.

---


**Important!** Some Bluetooth devices are secured and require a PIN number to confirm and pair with them.

---

3. Enter a PIN to pair with the device, if one is required, and tap **OK**.

## USB utilities

This option allows you to copy files between your PC and the memory card in your phone.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **USB utilities**.
2. On your phone, tap **Connect storage to PC**.
3. Connect a USB cable from your phone to your PC.
4. A pop-up window displays on the PC when connected. Tap **Connect USB storage**.  
Your phone will appear on your PC as a removable disk.
5. Open the folder to view files.
6. Copy files between your PC and your memory card.
7. To exit, tap **Disconnect storage from PC**.

## ***VPN settings***

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

---

**Important!** Before you can use a VPN you must establish and configure one.

---

## ***Adding a VPN***

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **VPN settings**.
2. Tap **Add VPN**.



**To establish a PPTP (Point-to-Point Tunneling Protocol):**

1. Tap **Add PPTP VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Enable Encryption** to make a checkmark (if desired).
5. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

**To establish a L2TP (Layer 2 Tunneling Protocol):**

1. Tap **Add L2TP VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.

3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Enable L2TP Secret** to make a checkmark (if desired).
5. Tap **Set L2TP Secret** and enter a password (if desired), then tap **OK**.
6. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

**To establish a L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec):**

1. Tap **Add L2TP/IPSec PSK VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Set IPsec pre-shared key**, enter a key and tap **OK**.
5. Tap **Enable L2TP Secret** to make a checkmark (if desired).

6. Tap **Set L2TP Secret** and enter a password (if desired), then tap **OK**.
7. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

**To establish a L2TP/IPSec CRT (Certificate based L2TP/IPSec):**

1. Tap **Add L2TP/IPSec CRT VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Enable L2TP Secret** to make a checkmark (if desired).
5. Tap **Set L2TP Secret** and enter a password (if desired), then tap **OK**.
6. Tap **Set user certificate**, then tap **OK**.
7. Tap **Set CA certificate**, then tap **OK**.
8. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

### **Mobile networks**


Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

- ▶ From the Home screen, tap  → **Settings** → **Wireless and network** → **Mobile networks**.

The following options display:

#### **Use Packet Data**

To activate the data network, this option must be selected. It is set on by default.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Mobile networks**.
2. Tap **Use packet data** to create a checkmark and activate the feature.

#### **Data Roaming**


Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Mobile networks**.

2. Tap **Data roaming** to create a checkmark and activate the feature.


### Access Point Names

To use Wi-Fi you need access to a wireless access point .

- ▶ From the Home screen, tap  → **Settings** → **Wireless and network** → **Mobile networks** → **Access Point Names**.  
A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

### Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Mobile networks**.
2. Tap **Network operators**.  
The current network connection displays at the bottom of the list.

---

**Important!** You must deactivate data service prior to searching for an available network.

---

3. Tap **Search networks** to manually search for a network.
4. Tap **Select automatically** to automatically select a network connection.


---

**Note:** Connecting to 2G networks slows the data transfer speed and time.

---


### Default setup options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.


1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Mobile networks**.
2. Tap **Network operators**.
3. Tap **Default setup**.
4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

### Call Settings


To access the Call settings menu:

1. From the Home screen, tap  → **Settings** → **Call**.
2. Tap one of the following options:

### Call rejection

1. From the Call Settings menu, tap **Call rejection**.
2. Tap **Auto reject mode** to enable your phone to reject calls.
3. Select **Off**, **All numbers**, or **Auto reject numbers**.
4. Tap **Auto reject list**.
5. Tap  to manually add numbers to the Reject list.
6. Tap **Unknown**, to create a checkmark and automatically reject all unknown calls.

### Set reject messages

1. From the Call Settings menu, tap **Set reject messages**.
2. Tap  to manually add a reject message.  
– or –  
Tap one of the pre-written messages to be displayed when you want the call to be rejected.
3. Tap **Save**.

### Call alert

1. From the Call Settings menu, tap **Call alert**.
2. Tap **Answer vibration** to enable your phone to vibrate when the called party answers the phone.

3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
4. Tap **Alerts on call** to set the alert type.

### Call answering/ending

1. From the Call Settings menu, tap **Call answering/ending**.
2. The following options are available:
  - **Answering key:** Tap this option to be able to accept incoming calls by pressing the Home key.
  - **Automatic answering:** Tap this option if you are using a headset and want the call to be automatically answered. Select the time interval before the call is automatically answered.
  - **The power key ends calls:** This option will allow you to end a call by pressing the power key without turning off the screen.

### Turn on proximity sensor

- ▶ From the Call Settings menu, tap **Turn on proximity sensor**.  
When you answer a call, the screen will be turned off to save power.

### Call forwarding

1. From the Call Settings menu, tap **Call forwarding**.
2. Tap one of the following options:
  - **Always forward:** allows you to forward all voice calls.

- **Forward when busy** allows you to forward voice calls to a designated number instead of your Voicemail number if you are on another phone call.
- **Forward when unanswered:** allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
- **Forward when unreachable:** allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

### TTY Mode

This menu is used to activate or deactivate TTY Mode for this device.

1. From the Call Settings menu, tap **TTY mode**.
2. Tap **Full TTY**. A green checkmark will appear. Tap **TTY mode off** to turn it off.

### Additional settings

1. From the Call Settings menu, tap **Additional settings**.
2. Tap one of the following options:
  - **Caller ID:** allows you to choose how your Caller ID will be displayed. Select Network Default, Hide number, or Show number.

- **Call waiting:** the network service informs you when someone is trying to reach you during another call. Tap to activate.
- **Auto redial:** automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
- **Noise suppression:** Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere. Tap to activate.
- **Fixed Dialing Numbers:** allows you to restrict outgoing calls to a limited set of phone numbers.

### Using Fixed Dialing Numbers

#### Enabling FDN

1. From the Call Settings menu, tap **Additional settings** → **Fixed Dialing Numbers**.
2. Tap **Enable FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**.  
FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

---

**Important!** Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

---

### Changing the PIN2 Code

1. From the Call Settings menu, tap **Additional settings** → **Fixed Dialing Numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

### Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

---

**Note:** Before you can manage an FDN list a list must be created.

---

1. From the Call Settings menu, tap **Additional settings** → **Fixed Dialing Numbers**.
2. Tap **FDN list**.

3. A list of all existing FDN numbers will be displayed.

### Voicemail Service

1. From the Call Settings menu, tap **Voicemail Service**.  
Voicemail service provided by your carrier is the default.
2. Tap My carrier to remove the carrier Voicemail service.

### Voicemail

You can view or modify your voicemail number from this menu.

1. From the Call Settings menu, tap **Voicemail**.
2. Tap the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

### Sound Settings

From this menu you can control the sounds on the phone.

- ▶ From the Home screen, tap  → **Settings** → **Sound**.

The following options display:

### Silent mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example. In Silent Mode the

speaker is muted and the phone only vibrates to notify you of incoming calls, or other functions that normally have a defined tone or sound as an alert.

1. From the Home screen, tap  → **Settings** → **Sound**.

2. Tap **Silent mode**.

– or –

1. From the Home screen, press the **Lock** key until **Phone options** displays.

2. Tap **Silent mode** to activate or deactivate this mode (the current mode displays).

## Vibration

Vibration mode allows your phone to vibrate instead of a producing a tone.

1. From the Home screen, tap  → **Settings** → **Sound** → **Vibration**.

2. Tap **Always, Never, Only in Silent mode, or Only when not in Silent mode**.

## Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the Home screen, tap  → **Settings** → **Sound** → **Volume**.

2. Touch and drag the slider to adjust the sound volume for Incoming calls, Media, System, and Notification.

3. Tap **OK**.

## Vibration Intensity

Set the intensity of vibration for Incoming call, Notification, and Haptic feedback.

1. From the Home screen, tap  → **Settings** → **Sound** → **Vibration intensity**.

2. Touch one of the three vibration intensity options and drag the slider to set.

3. Touch **OK** to save your setting.

## Phone ringtone

This option allows you to set the ringtone.


1. From the Home screen, tap  → **Settings** → **Sound**.

2. Tap **Phone ringtone**.

3. Tap a ringtone and tap **OK**.


### Notification ringtone

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the Home screen, tap  → **Settings** → **Sound**.
2. Tap **Notification ringtone**.
3. Tap a ringtone and tap **OK**.

### Audible Tone Settings

The Audible touch tones and Audible selection options are used when you use the dialing pad, make a screen selection, or lock your screen. Each time you press a key, make a selection, or lock your phone, the selected tone sounds.

1. From the Home screen, tap  → **Settings** → **Sound**.
2. Tap **Audible touch tones**, **Audible selection**, or **Screen lock sounds**. A check mark displayed next to these features indicates active status.

### Haptic feedback

Instead of sounding a tone, the Haptic feedback option vibrates when you press soft keys on certain screens.

1. From the Home screen, tap  → **Settings** → **Sound**.

2. Tap **Haptic feedback**. A check mark displayed next to the feature indicates Haptic feedback is active.

### Display Settings

In this menu, you can change various settings for the display such as the font, orientation, pop-up notifications, puzzle lock feature, animation, brightness, screen timeout, power saving mode, and tv out settings.

- ▶ From the Home screen, tap  → **Settings** → **Display**.

The following options display:


- **Screen display:** allows you to set the Font style, the home screen and lock screen wallpapers, and the clock position for the lock screen.
- **Brightness:** configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust and tap OK.
- **Auto-rotate screen:** allows you to switch the display orientation automatically when you rotate the phone.
- **Animation:** determines whether some or all of the window elements animate. Selections are: No animation, Some animations, and All animations.
- **Screen timeout:** adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, and 10 minutes.



- **Touch key light duration:** allows you to set the time that the touch keys located on the bottom of your phone are lit.
- **Auto adjust screen power:** allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.

## Power Saving Mode

Power Saving Mode allows you to manage your phone to conserve power.

1. From the Home screen, tap  → **Settings** → **Power saving mode**.
2. The following options are available:
  - **Use Power saving mode:** allows you to automatically switch to Power saving mode when the battery is low.
  - **Power saving on at:** allows you to set the battery power level when Power saving mode will be enabled.
  - **Turn off Wi-Fi:** automatically turns off Wi-Fi when you are not connected with Mobile AP.
  - **Turn off Bluetooth:** automatically turns off Bluetooth when it is not in use.
  - **Turn off GPS:** automatically turns off GPS when it is not in use.
  - **Turn off Sync:** automatically turns off Sync when the phone is not synchronizing with the server.
  - **Brightness:** allows you to manually adjust the brightness of the screen. Tap this option to enable the next Brightness option.


- **Brightness:** allows you to set the Brightness percentage of the screen. Previous Brightness option must be selected first.
- **Screen timeout:** allows you to set the time before the screen times out and goes into lock mode.
- **Power saving tips:** describes various ways to conserve battery power.

## Location and Security

The Location and Security settings allow you to set up how the phone will determine your location and the security settings for your phone.

### Use Wireless Networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Use wireless networks option or enable the GPS satellites.

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Use wireless networks** to enable location information using the wireless network.

### Use GPS satellites

This option allows you to locate locations accurately to street level. To conserve power, deselect this option when not in use.

1. From the Home screen, tap  → **Settings** → **Location**

and security.

2. Tap **Use GPS satellites** to enable the GPS satellite.


### Use sensor aiding

This options enhances the positioning capabilities of your phone and conserves power using sensors.

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Use sensor aiding** to enable the positioning sensors.

### Set up screen lock

Creating a screen unlock pattern increases security on the phone.

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Set up screen lock** and select one of the following options:
  - **None**: disables screen unlock security.
  - **Pattern**: requires that you draw a pattern on the screen to unlock it. Follow the onscreen instructions.
  - **PIN**: requires that you enter a numeric PIN number to unlock the screen. Enter a PIN number, confirm it, then tap OK.


- **Password**: requires that you enter a password to unlock the screen. Enter a password, confirm it, then tap OK. Password must contain at least one letter.

---

**Note:** Once you have set the screen lock option, the **Set screen lock** option changes to **Change screen lock**.

---

### Disable USB debugging mode

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap the **Disable USB debugging mode** checkbox to create a checkmark. This is necessary when device encryption is enabled.

### Set up SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Set up SIM card lock**.

3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

---


**Note:** You must activate Lock SIM card before you can change your SIM PIN code.

---

4. Tap **Change SIM PIN**.
5. Enter your old SIM PIN code and tap **OK**.
6. Enter your new SIM PIN code and tap **OK**.
7. Re-type your new SIM PIN code and tap **OK**.

### **Visible passwords**

When you create a phone password you can also configure the phone to display the password as you type it instead of using an asterisk (\*).

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Visible passwords** to create a checkmark and activate this feature.

### **Set up/Change password**

Use this option to set up your password when one is first required or change your current password.

1. From the Home screen, tap  → **Settings** → **Location**

**and security** → **Set up/Change password**.

2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

### **Select device administrators**

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost or stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

---

**Note:** If a device uses multiple enabled administration applications, the strictest policy is enforced.


---

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Select device administrators**.

3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Android Market.

### Credential storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

1. From the Home screen, tap  → **Settings** → **Location and security**.
2. Tap **Use secure credentials** to activate this feature. A check mark displayed next to the feature indicates secure credentials is active.
3. Tap **Install from USB storage** to install encrypted certificates from USB storage.
4. Tap **Set password** to set or change the credential storage password.
5. Tap **Clear storage** to clear the storage (SD card or phone memory) of all contents and reset the credentials password.

### Applications

This device can be used for Android development. You can write applications in the SDK and install them on this device, then run the applications using the hardware, system, and network. This feature allows you to configure the device for development.


---

**Warning:** Android Dev Phone 1 devices are not intended for non-developer end-users. Because the device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

---

### Unknown sources

This feature allows you to download and install non-Market applications.


1. From the Home screen, tap  → **Settings** → **Applications**.
2. Tap **Unknown sources**.

A check mark is displayed to indicate it is active.

### Manage Applications

This feature allows you to manage installed applications. You can view and control currently running services, or use the device for application development. Using the Samsung Apps option the device notifies you when you are using Wi-Fi or Packet data for Samsung applications.

You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your phone and clear the data, cache, or defaults.


- ▶ From the Home screen, tap  → **Settings** → **Applications** → **Manage applications**.

### Clearing application cache and data

---

**Important!** You must have downloaded applications installed to use this feature.

---


1. From the Home screen, tap  → **Settings** → **Applications** → **Manage applications**.
2. Tap an application in which to clear the cache or data.
3. Tap **Clear data** or **Clear Cache**.

### Uninstalling third-party applications

---

**Important!** You must have downloaded applications installed to use this feature.

---


1. From the Home screen, tap  → **Settings** → **Applications** → **Manage applications**.
2. Tap the application you want to uninstall and tap **Uninstall**.
3. At the prompt, tap **OK** to uninstall the application.

4. At the **Uninstall finished** prompt, tap **OK**.

### Running services

The Running services option allows you to view and control currently running services such as DataService, Google Talk, SNS (messaging), Swype, and more.

To stop a service from running on your phone:

1. From the Home screen, tap  → **Settings** → **Applications** → **Running Services**.
2. Tap a service.
3. Tap **Stop** to stop the service from running on your phone.

### Storage usage

The Storage usage option allows you to view the memory usage for your applications.

1. From the Home screen, tap  → **Settings** → **Applications** → **Storage usage**.



The Storage usage for the different applications that are present on your phone are displayed.

2. Tap the **Running** tab to see the Storage usage for applications that are presently running.

3. Tap the **Downloaded** tab to see the Storage usage for Downloaded applications.
4. Tap the **On SD card** tab to see the Storage usage for applications that are stored on your SD card.

### Battery usage

The Battery usage option allows you to view the battery usage of the applications and features on your phone.

1. From the Home screen, tap  → **Settings** → **Applications** → **Battery usage**.
2. Press  → **Refresh** to refresh the display.

### Development

- ▶ From the Home screen, tap  → **Settings** → **Applications** → **Development**.

---

**Important!** These features are used for development purposes only.

---

### USB debugging


This feature is used for development purposes only.

### Allow mock locations

This feature is used for development purposes only.


If you are a developer who is testing a GPS applications using this device, you can tell the device that the phone is at different GPS locations. In other words, the phone is allowed to “mock” the coordinates.

### Accounts and Synchronization

1. Sign in to your Google account.
2. From the Home screen, tap  → **Settings** → **Accounts and sync**.
3. From the General sync settings section, tap one of the following options:
  - **Background data**: allows your phone to use data in the background.
  - **Auto-sync**: automatically synchronizes your data with the phone.
4. From the **Manage accounts** section, tap on an open account to set the account settings or tap on **Add account** to add a new account.

### Motion

The Motion settings allow you to set up various Motion activation services.

1. From the Home screen, tap  → **Settings** → **Motion**.

2. Tap **Motion activation** to activate the feature. A checkmark is displayed.
3. The following options are available:
  - **Turn over:** allows you to mute incoming calls and sounds by turning your phone over. Tap to activate.
  - **Double tap:** allows you to automatically prepare your device for voice commands in the Voice talk application.
  - **Tutorial:** allows you to view short tutorials that explain the different motion techniques.

## Privacy

Location settings, backup configurations, or reset the phone to erase all personal data.

- From the Home screen, tap  → **Settings** → **Privacy**.

## Back up my data

By setting this option, the Google server will back up all of your settings and data.

1. From the Home screen, tap  → **Settings** → **Privacy**.
2. Tap **Back up my data**.

A green checkmark will appear.

## Automatic restore


By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the Home screen, tap  → **Settings** → **Privacy**.
2. Tap **Automatic restore**.

A green checkmark will appear.

## Factory data reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the Home screen, tap  → **Settings** → **Privacy**.
2. Tap **Factory data reset**.
3. If you want to erase all data on your USB storage, such as music and photos, tap the **Format USB storage** checkbox to create a green checkmark.
4. Tap **Reset phone**.
5. At the confirmation screen, tap **Erase everything**.  
The phone resets to the factory default settings automatically and when finished, displays the Home screen.

---

**Warning:** Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos unless you check the Format USB storage checkbox.

---

## Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see “Memory Card” on page 36.

- ▶ From the Home screen, tap  → **Settings** → **Storage**.

### SD card

The available memory displays under the **Total space** and **Available space** headings for your SD card.

1. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting.
2. Touch **Format SD card** to erase the memory card and prepare it for use with your phone.

### USB storage

The available memory displays under the **Total space** and **Available space** headings for your USB storage.

- ▶ Tap **Format USB storage** to erase all data on the phone's USB storage such as music and photos.

## System storage

The available memory displays under the **Available space** heading for your System memory.


## Language and keyboard

This setting allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

- ▶ From the Home screen, tap  → **Settings** → **Language and keyboard**.

### Select language

To set the language that the menus display on the phone:

1. From the Home screen, tap  → **Settings** → **Language and keyboard** → **Select language**.
2. Tap on a language from the list.

### Select input method

There are three input methods available: Swype, Android keyboard, and Samsung keypad. Samsung keypad is the default text input method.

1. From the Home screen, tap  → **Settings** → **Language**




and keyboard → Select input method.

2. Select either Android keyboard, Samsung keypad, or Swype.

## Swype Settings


To configure Swype settings:

1. From the Home screen, tap  → Settings → Language and keyboard → Swype.
2. Tap one of the following Swype settings to activate the setting:
  - **Select Input Method:** allows you to switch between different keyboard types.
  - **How to Swype:** provides tips on how to learn to use Swype.
  - **Personal dictionary:** Allows you to setup and manage your own dictionary.
  - **Preferences:** Allows you to view and modify the following Swype options:
    - **Audio feedback:** When enabled, plays sounds as you enter text.
    - **Vibrate on keypress:** check this field to have the phone vibrate each time you touch a key on the keyboard.
    - **Show tips:** When enabled, the device displays helpful tips.
    - **Auto-spacing:** When enabled, inserts spaces automatically when you pause entering text.

- **Auto-capitalization:** When enabled, automatically capitalizes the first letter of the first word in a sentence.
- **Show complete trace:** When enabled, briefly display the Swype trace.
- **Word suggestion:** When enabled, suggests possible matching words as you enter text.
- **Speed vs. accuracy:** Send the sensitivity of Swype text recognition.
- **Reset Swype's dictionary:** Deletes all of the words you have added and loads the default dictionary.
- **Version:** View the current Swype software version.
- **Language Options:** Allows you to set the language that you will be using.

## Android Keyboard settings


From this menu you can set Android keyboard options.

1. From the Home screen, tap  → Settings → Language and keyboard → Android keyboard.
2. The following options are available:
  - **Vibrate when keys pressed:** check this field to have the phone vibrate each time you touch a key on the keyboard.
  - **Sounds when keys pressed:** check this field to play a sound each time you touch a key on the keyboard.
  - **Popup on keypress:** check this field to show a small popup of each character that you type.
  - **Touch to correct words:** check this field to touch and highlight words that you want to correct.

- **Auto-capitalization:** check this field to have the keyboard automatically capitalize the first letter of the first word after a period, the first word in a text field, and all words in name fields.
- **Show settings key:** allows you to select how the settings key will be displayed.
- **Voice input:** check this field to be able to enter text in a message by talking.
- **Input languages:** tap on a language that you want to input.
- **Quick fixes:** check this field to automatically correct some common misspellings as you type.
- **Show suggestions:** check this field to show suggested words in a field above the keyboard as you type.
- **Auto-complete:** check this field to automatically enter a suggested word, shown in orange in the field above the keyboard, when you enter a space or punctuation.

### Samsung Keypad settings


From this menu you can set Samsung keypad options.



1. From the Home screen, tap  → **Settings** → **Language and keyboard** → **Samsung keypad**.
2. Tap the **Portrait keypad types** field and select a text input method:
  - Qwerty Keypad
  - 3x4 Keypad
3. Tap the **Input languages** field and tap one of the languages.
4. To use XT9 Predictive text method, tap **XT9**.
5. If you are using XT9 Predictive text method, tap **XT9 advanced settings**. For more information, refer to “*XT9 Advanced Settings*” on page 118.
6. Tap the **Keypad sweeping** field to be able to sweep the keypad and change from **ABC** to **?123** mode.
7. Tap the **Character preview** field to enable small pop-ups to appear as you tap each key to show the character you are entering.
8. Tap the **Auto-capitalization** field to enable automatic capitalization.
9. Tap **Voice input** to activate the Voice input feature. Voice input is an experimental feature using Google’s networked speech recognition application.
10. Tap **Auto-full stop** to activate the Auto-full stop feature. When you double space in a message, a period and space is added and the keyboard is placed into Uppercase mode so you can start the new sentence with a capital letter.

11. Tap **Tutorial** for a short tutorial on using the Samsung keypad.

### XT9 Advanced Settings


The following XT9 Advanced settings are only available if the **XT9** field has been selected.

1. From the Home screen, tap  → **Settings** → **Language and keyboard** → **Samsung keypad** → **XT9 Advanced settings**.
2. Tap the **Word completion** field to enable word completion. Your phone will predict how to complete the word you have started.
3. Tap the **Word completion point** field to set how many letters should be entered before a prediction is made.
4. Tap the **Spell correction** field. This option corrects typographical errors by selecting from a list of possible words that reflect the characters of the keys you tapped as well as the characters of nearby keys.
5. Tap the **Next word prediction** field to enable word prediction for the next word.

6. Tap the **Auto-append** field to automatically add predictions to the word you are typing.
7. Tap the **Auto-substitution** field to automatically replace words that you are typing. This option will help for accidental misspellings.
8. Tap the **Regional correction** field. This option sets the device to automatically correct mistyped words according to normal spelling for your region.
9. Tap the **Recapture** field. This option sets the device to re-display the word suggestion list when you select the wrong word from the list.
10. To add a new word to the T9 dictionary:  
Tap the **XT9 my words** field, then press  → **Add**. Enter the new word in the **Register to XT9 my words** field, then tap **Done**.
11. To add words to substitute (for example youve becomes you've) tap **XT9 auto-substitution**.
12. A list of substitutions is displayed. If you don't see the substitution you want, press  → **Add**, and then input the Shortcut word and Substitution word. Tap **Done**.


## Voice Input and Output

This feature allows the device to provide a verbal readout of onscreen data such as messages and incoming caller information.

1. From the Home screen, tap  → **Settings** → **Voice input and output**.
  2. Tap **Voice recognition** and tap on the Voice recognition format that you want. Select **Samsung powered by Vlingo** or **Google**.
  3. Tap **Voice recognition settings** to access the following options:
    - **Language**: allows you set the language you will be using for your voice input and output.
    - **SafeSearch**: allows you to filter explicit images when performing voice searches. You can set to Off, Moderate, or Strict.
    - **Block offensive words**: allows you to hide recognized offensive words.
  4. Tap **Text-to-speech settings** to access the following options:
    - **Listen to an example**: plays a short example of what the text-to-speech feature sounds like on your device when activated.
- **Driving mode**: allows incoming calls and new notifications to be read out automatically.
  - **Driving mode settings**: allows you to choose exactly what information is read out automatically.
  - **Always use my settings**: accepts an override of application settings with personal configurations for this text-to-speech settings screen. If enabled, your device defaults to using the text-to-speech feature.
  - **Default engine**: displays the default engine used for voice recognition.
  - **Install voice data**: confirms the installation of necessary data required for voice synthesis.
  - **Speech rate**: adjusts the rate at which onscreen text is spoken by the device. Choose from: **Very slow**, **Slow**, **Normal**, **Fast**, and **Very fast**.
  - **Language**: assigns the language used for verbal readout. Tap a language option.
  - **Samsung TTS**: allows you to modify settings for the Samsung TTS default engine.
  - **Pico TTS**: allows you to modify settings for the Pico TTS default engine.

## Accessibility Settings

This service is able to collect all the text you type, including personal data credit card numbers except passwords. It may also log your user interface interactions. Using TalkBack, every interaction and keypress is explained in audio.

1. From the Home screen, tap  → **Settings** → **Accessibility**.
2. Tap **Accessibility** to create a checkmark and activate the feature.
3. Tap **TalkBack** to create a checkmark and activate the feature.
4. If an **Attention** prompt appears, tap **OK** to continue or **Cancel** to exit.
5. Tap **Assistive light** to create a checkmark and activate the torch.
6. Tap **Mono audio** to create a checkmark. This feature allows you to listen to mono audio using one earphone.
7. Tap **Call answering/ending** to access the following options:
  - **Answering key:** tap this option to create a checkmark and accept incoming calls by pressing the home key.

- **Automatic answering:** tap this option to set how long before the phone automatically answers. This feature only operates with a connected headset.
  - **The power key ends calls:** tap this option to create a checkmark if you want to press the power key to end calls. This will not turn off the screen.
8. Tap **Accessibility shortcut** to create a checkmark. This feature allows you to press and hold the power key to add an accessibility shortcut to your phone options.

## Date and Time

This menu allows you to change the current time and date displayed.

1. From the Home screen, tap  → **Settings** → **Date and time**.
2. Tap **Automatic** to allow the network set the date and time.

---

**Important!:** Deactivate **Automatic** to manually set the rest of the options.

---


3. Tap **Set date** and use the plus or minus icons to set the **Month, Day, and Year** then tap **Set**.
4. Tap **Select time zone**, then tap a time zone.


5. Tap **Set time** and use the plus or minus icons, set **Hour**, and **Minute**. Tap **PM** or **AM**, then tap **Set**.
6. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
7. Tap **Select date format** and tap the date format type.

## About Phone

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

To access phone information:

- ▶ From the Home screen, tap  → **Settings** → **About phone**. The following information displays:
  - **Status**: displays the battery status, the level of the battery (percentage), the phone number for this device, the network connection, signal strength, mobile network type, service state, roaming status, mobile network state, IMEI number, IMEI SV, Wi-Fi MAC address, Bluetooth address, and Up time.
  - **Battery usage**: displays the applications or services (in percentages) that are using battery power.
  - **Legal information**: This option displays information about Open source licenses as well as Google legal information. This information clearly provides copyright and distribution legal

information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press  to return to the Settings menu.

- **Model number**: displays the phone's model number.
- **Android version**: displays the android version loaded on this handset.
- **Baseband version**: displays the baseband version loaded on this handset.
- **Kernel version**: displays the kernel version loaded on this handset.
- **Build number**: displays the software, build number.

---

**Note:** Baseband, kernel and build numbers are usually used for updates to the handset or support.

---



## Section 9: Connections

---


This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

### Browser


The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

#### Accessing the Mobile Web

To access the Browser:

- ▶ From the Home screen, tap **Web** .

#### Navigating with the Browser


1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to the previous page, press .

#### Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser. After tapping on a link or article, use one of these methods:

- **Tilting:** Tap and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *“Motion”* on page 113.
- **Double tap:** Quickly tap the screen twice on the web page to zoom in or out.
- **Pinching:** Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

#### Browser Options

1. From the home page, press  to access the following options:
  - **New window:** displays a new window so you can browse multiple URLs. For more information, refer to *“Adding and Deleting Windows”* on page 124.
  - **Windows:** displays a list of the windows you have open.
  - **Browser brightness:** allows you to adjust the brightness of your display.
  - **Refresh:** reloads the current page.



- **Forward:** forwards the browser to another web page.
- **More:** displays the following additional options:
  - **Add bookmark:** allows you to add a URL to your bookmark list.
  - **Add shortcut to Home:** allows you to set your homepage as a shortcut on your display.
  - **Find on page:** allows you to search in the current page.
  - **Page info:** displays information about the selected page.
  - **Share page:** allows you to share the page using Gmail or as a message.
  - **Downloads:** displays the download history.
  - **Settings:** allows you to modify your web settings. For more information, refer to “*Browser Settings*” on page 127.
  - **Print:** allows you to print the screen or web page on a Samsung printer using Wi-Fi.

### Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.


To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

The website displays.




### Search the Internet

To perform an internet search using keywords, follow these steps:

1. From the Google homepage, tap the **Web Search** field.
2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.
  - or –
  - Tap  and select a topic to search for.
3. A list of search results displays.
4. Tap a link to view the website.

### Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, press  → **New window**.  
A new browser window is opened.
2. Press  → **Windows** to see a list of all open windows.
3. Tap a window listing to open up that Internet window.
4. Tap  at the top right corner of the web page thumbnail to delete the window.

## Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap .

The Bookmarks page is displayed.

2. Press  to display the following options:
  - **Bookmark last-viewed page:** Creates a new bookmark for the last webpage that you viewed.
  - **List/Thumbnail view:** You can select **Thumbnail view** (default) to see a thumbnail of the webpage with the name listed, or you can select **List view** to see a list of the bookmarks with Name and URL listed.
  - **Create folder:** Creates a new bookmark folder.
  - **Change order:** Allows you to move pages around on the Bookmarks page. Touch and hold a bookmark icon, then move it to the desired location.
  - **Move to folder:** Allows you to move a page to a folder.
  - **Delete:** Allows you to delete one or all of your bookmarks.

3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:

- **Open:** Opens the webpage of the selected bookmark.
- **Open in new window:** Opens the webpage in a new window.
- **Edit bookmark:** Allows you to edit the name or URL of the bookmark. For more information, refer to “*Editing Bookmarks*” on page 126.
- **Add shortcut to Home:** Adds a shortcut to the bookmarked webpage to your phone’s Home screen.
- **Share link:** Allows you to share a URL address via Bluetooth, Email, Facebook, Gmail, Google+, Messaging, Social Hub, or Wi-Fi.
- **Copy link URL:** Allows you to copy the URL address to use in a message.
- **Delete bookmark:** Allows you to delete a bookmark. For more information, refer to “*Deleting Bookmarks*” on page 126.
- **Set as homepage:** Sets the bookmark to your new homepage.

## Adding Bookmarks

1. From any webpage, tap  →  → **Bookmark last-viewed page.**
2. Use the on-screen keypad to enter the name of the bookmark and the URL.
3. Tap **OK.**

4. **Saved to bookmarks** will appear at the bottom of the page.

### Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the name of the bookmark or the URL.
4. Tap **OK**.

### Deleting Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the Delete confirmation window, tap **OK**.

### Emptying the Cookies

A cookie is a small file which is placed on your phone by a website during navigation. In addition to containing some site-specific information, it can also contain some personal information (such as a username and password) which can pose a security risk if not properly managed. You can clear these cookies from your phone at any time.


1. From the Home webpage, press  → **More** → **Settings** → **Clear all cookie data**.
2. At the **Clear** prompt, tap **OK** to delete the cookies or tap **Cancel** to exit.

### Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.



1. From the Home webpage, tap  → **History** .

A list of your most recently visited websites is displayed with Name and URL address.

2. Tap any entry to display the webpage.
3. Press  → **Clear history** to delete the History list.

### Using Most Visited

The Most visited list provides you with a list of the most visited websites that you have bookmarked. These entries can be used to return to previously unmarked web pages.



1. From the Home webpage, tap  → **Most visited** .

A list of your most visited webpages is displayed with Name and URL address. The webpages that have been visited the most will appear at the top.

2. Tap any entry to display the webpage.

## Browser Settings

To make adjustments in your browser settings, follow these steps:

1. Tap **Web**  →  → **More** → **Settings**.
2. The following options are available:
  - **Default zoom:** Adjusts the zoom feature. Set to Far, Medium, or Close.
  - **Open pages in overview:** Shows an overview of newly opened web pages.
  - **Text encoding:** Adjusts the current text encoding.
  - **Block pop-up windows:** Prevents popup advertisement or windows from appearing onscreen. Remove the checkmark to disable this function.
  - **Load images:** Allows web page images to be loaded along with the other text components of a loaded website.
  - **Auto-fit pages:** Allows web pages to be resized to fit as much of the screen as possible.

- **Landscape view only:** Displays the browser in only the horizontal position.
- **Enable JavaScript:** Enables javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
- **Enable plug-ins:** Allows the download of plug-ins such as Adobe Flash.
- **Open in background:** New pages are launched in a separate page and displayed behind the current one. Remove the checkmark to disable this function.
- **Set home page:** Sets the current home page for the Web browser.
- **Default storage:** Allows you to set your default storage to Phone or Memory Card.
- **Clear cache:** Deletes all currently cached data. Tap **OK** to complete the process.
- **Clear history:** Clears the browser navigation history. Tap **OK** to complete the process.
- **Accept cookies:** Allows sites, that require cookies, to save and read cookies from your device.
- **Clear all cookie data:** Deletes all current browser cookie files.
- **Remember form data:** Allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
- **Clear form data:** Deletes any stored data from previously filled out forms. Tap **OK** to complete the process.

- **Enable location:** Allows websites to request access to your location.
- **Clear location access:** Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords:** Stores usernames and passwords for visited sites. Remove the checkmark to disable this function.
- **Clear passwords:** Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Show security warnings:** Notifies you if there is a security issue with the current website. Remove the checkmark to disable this function.
- **Select search engine:** allows you to set your default search engine to Google, Yahoo!, or Bing.
- **Website settings:** View advanced settings for individual websites.
- **Reset to default:** Clears all browser data and resets all settings to default.

## Wi-Fi


### About Wi-Fi

Wi-Fi (short for "wireless fidelity" and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open

(unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

### Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap the **Wi-Fi** field to activate the feature. A green checkmark indicates that Wi-Fi is active. The device will scan for available in-range wireless networks and display them under Wi-Fi networks on the same screen.

### Connect to a Wi-Fi Network

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.

The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.

2. Tap the network you want to connect to.

---

**Note:** When you select an open network, you will be automatically connected to the network.

---

3. Enter a wireless password if necessary.

### **Manually add your new network connection**

1. Tap **Add Wi-Fi network**.
2. Enter the **Network SSID**. This is the name of your Wireless Access Point.
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
4. If secured, you will also need to enter your WAP's password.
5. Tap **Save** to store the new information and connect to your target WAP.

---

**Note:** The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

---

### **Turning Wi-Fi Off**

1. From the Home screen, tap  → **Settings** → **Wireless**

and **network** → **Wi-Fi settings**.

2. Tap the **Wi-Fi** field to deactivate the feature. The green checkmark will be removed.

---

**Note:** Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

---

### **Manually Scan for a Wi-Fi Network**

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Press  → **Scan**.

### **Wi-Fi Status Indicators**

The following icons show your Wi-Fi connection status at a glance:



Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).



Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).



Displays when connected to another device using Wi-Fi Direct. For more information, refer to “*Wi-Fi Direct*” on page 130.

## Wi-Fi Advanced Settings

The Wi-Fi settings - Advanced menu allows you to set up many of your device's Wi-Fi service, including:

- Setting your Wi-Fi sleep policy
- Viewing your device's MAC Address
- Configuring use of either a DHCP or Static IP

To access the Bluetooth Settings menu:

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Press  → **Advanced**.

For more information, refer to “*Network Notification*” on page 95.

## Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

---

**Note:** See your service plan for applicable charges for Wi-Fi Direct.


---

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Wi-Fi Direct settings**.

2. On your phone, at the **Scan for devices** prompt, tap **OK**. Tap the **Do not show again** checkbox if you want to skip this step in the future.

The device scans for other Wi-Fi Direct devices.

3. If you are currently connected to a Wi-Fi network, a prompt will display **Current network will be disconnected**. Tap **OK** to continue.
4. Tap **Wi-Fi Direct**. A check mark is displayed indicating that Wi-Fi Direct is active.
5. Repeat **steps 1 - 4** on the other device you want to connect with.
6. Once the device you want to connect to is displayed, tap on it.
7. Tap **Connect**.
8. The other device will receive a **Wi-Fi Direct connection** prompt and has 2 minutes to tap **OK** for the connection to be made.

9. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the  icon will display at the top of your screen.
10. Tap **Device name** if you want to change the name of your device. The default name is AndroidP2PXXXX, where XXXX is a randomly generated number.
11. The **Status** field shows whether your device is Connected or Disconnected from Wi-Fi Direct.
12. Tap **Disconnect Wi-Fi Direct** when you are ready to disconnect your device.

### Sharing Information with a Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share** or **Share via** option and tap **Wi-Fi**.
2. Tap the connected device name. For example, AndroidP2PXXXX.

3. The other device will receive a prompt to receive the information and must tap **OK**.
4. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My Files** in the **ShareViaWifi** folder.

---

**Note:** Depending on the other device model, the prompts and shared folder information may differ.

---

## Bluetooth

### About Bluetooth


Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

### Turning Bluetooth On and Off


To turn Bluetooth on:

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings**.



2. Tap the **Bluetooth** field to activate the feature (checkmark indicates active). When active,  appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Tap the **Bluetooth** field to deactivate the feature. The green checkmark will be removed.

### **Bluetooth Status Indicators**

The following icons show your Bluetooth connection status at a glance:



Displays when Bluetooth is active.



Displays when Bluetooth is connected (paired) and communicating.



Displays when Bluetooth is on but is not connected to a Bluetooth device.

[no icon]


Displays when Bluetooth is disabled (default status).

### **Bluetooth Settings**

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. From the Home screen, tap  → **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Verify your Bluetooth is active.
3. Tap the **Device name**, **Visible**, **Visible time-out**, and **Scan for devices** fields to set the options.

To change your Bluetooth name:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Device name**.
3. Enter a new name.
4. Tap **OK** to complete the rename process.

To make your device visible:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Visible**.
  - Making your device visible allows it to be detected by other devices for pairing and communication.
3. Tap **Visible-time-out** to set how long your device will remain invisible.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Scan for devices** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.


### **Pairing Bluetooth Devices**

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan for devices**. Your device will display a list of discovered in-range Bluetooth devices.

3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

Once successfully paired to an external device,  appears within the Status area.

---

**Note:** Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

---

---

**Note:** Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

---

### **Disconnecting a paired device**

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.

2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.  
– or –

From the Bluetooth settings page, touch and hold the name of the previously paired device, and select

**Disconnect.**

---

**Note:** Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

---

### Deleting a paired device (unpair)

Deleting a device from your list removes its “connection record” and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, touch and hold the name of the previously paired device (from the bottom of the page). This opens the connected device’s menu options.
3. Tap **Unpair** to delete the paired device.



### Sending Contacts via Bluetooth

Depending on your paired devices’ settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

---

**Note:** Prior to using this feature, Bluetooth must first be enabled, and the recipient’s device must be visible.

---

1. Verify your Bluetooth is active.
2. From the main Home screen, tap **Contacts** .
3. Press  → **Import/Export** → **Send namecard via.**
4. Tap each contact that you would like to send via Bluetooth.  
A green checkmark will appear next to each entry you select.
5. Tap **Send.**
6. Tap **Bluetooth.**
7. Select the paired device to send the contacts to.

---

**Note:** The external Bluetooth device must be visible and communicating for the pairing to be successful.

---

8. A Bluetooth share notification will appear in your notifications list.

## PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes. When you connect the device to a PC, you can synchronize files with Windows Media Player, transfer data to and from your device directly, or use the Kies air application to access your PC wirelessly.


### Connecting as a Mass Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

---

**Note:** The file directory of the memory card displays as a removable disk, separate from the internal memory.

---

1. Insert a memory card into the device to transfer files from or to the memory card to your PC.
2. From the Home screen, tap  → **Settings** → **Wireless and network** → **USB utilities**.
3. On your phone, tap **Connect storage to PC**.
4. Connect a USB cable from your phone to your PC.
5. A pop-up window displays on the PC when connected. Tap **Connect USB storage**.



Your phone will appear on your PC as a removable disk.


6. Open the folder to view files.
7. Copy files between your PC and your memory card.
8. To exit, tap **Disconnect storage from PC**.

### Kies Air

Kies Air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

To use the Kies air, follow these steps:

1. Sign onto the same Wi-Fi network from your phone and from your PC.
2. On your phone, from the Home screen, tap  → **Kies air** .
3. From the Kies air homescreen, tap **Start**.  
A web URL is displayed on your phone screen.
4. From your PC, enter the URL in your web browser.
5. On your phone, an Access Request prompt is displayed. Tap **Allow** to continue.

6. Tap the **Remember for today** checkbox if you will be using Kies air with the same PC later.
7. From your PC, a security warning may be displayed asking if you want to run this application. Click **Run** to continue.
8. On your PC, the Kies air screen is displayed. On your phone, the  icon appears at the top of your screen.
9. Follow the on-screen instructions to view and share information between your phone and PC.
10. To exit the Kies air application, tap **Stop** on your phone, then close out the web browser on your PC.

## NFC

Near Field Communication (NFC) will be available on this phone in the future, but is now temporarily disabled.

## Section 10: Applications

---

This section contains a description of each application that is available in the Applications Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

---

**Tip:** To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see “*Customizing Your Home Screen*” on page 29.

You can also add an application icon as a Primary Shortcut that will display on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Applications menu. For more information, refer to “*Adding and Removing Primary Shortcuts*” on page 30.

---



### AllShare

AllShare allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices.

---

**Note:** To view more information about DLNA certified products visit <http://www.dlna.org/home>.

---



1. Connect to a Wi-Fi network. see “*Connect to a Wi-Fi Network*” on page 128.
2. From the Home screen, tap  → AllShare .  
The AllShare screen is displayed.
3. To share media, tap **Videos**, **Photos**, or **Music** and tap on the media that you would like to share.
4. At the **My device** screen, any devices that you can share with are displayed.
5. Tap on a device to share media.
6. Tap the **Remote device** tab at the top of the screen.  
All devices that you can receive media from are displayed.
7. Tap a device name.  
Media that you can receive from the other device is listed.
8. Tap an item that you want to stream to your phone.

9. Press  → **Settings** to configure the following settings:
  - **Device name:** defaults to your phone. Use the keypad to enter a new Media server if desired, and tap **Save**.
  - **Share videos/photos/music:** allows you to restrict what is shared from your phone. Tap the items you want to share.
  - **Upload from other devices:** allows you set the phone to select how uploads from other devices are started. Tap **Always accept**, **Always ask**, or **Always reject**.
  - **Default memory:** allows you to have media saved to your **Phone** or **Memory Card**. Tap an option.
  - **Subtitles:** allows you to see subtitles on shared media.

Depending on the setting you changed, a pop-up screen may display to restart AllShare. Tap **Yes** to continue.

## Amazon Kindle

This application allows you to download books, magazines, and newspapers to read on your phone.

1. From the Home screen, tap  → **Amazon Kindle** .
2. At the Kindle display, tap **Get Kindle for Android**.
3. Sign on to your Google account. For more information, refer to “*Creating a New Google Account*” on page 10.



4. Follow the on-screen instructions to download the application from the Android Market.

6. Tap **ON** to activate your profile. This allows the application to customize your results. For example, your zip code may help to deliver a coupon for a restaurant in your neighborhood. You can toggle the activation button between ON and OFF.
7. Tap **Done**.
8. Read the tutorial and tap **Next** until you are at the end of the tutorial. Tap **Finish**.
9. Position your phone approximately 2-5 inches from the barcode. Ensure that the barcode is completely within the window. Keep your phone steady for best results.
10. The scanner will automatically scan the barcode. It may take several seconds.
11. After the scan, tap **Yes** to open the web page to view the information on the barcode that was scanned.








## Books

With Google Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap  → **Books** .
2. Log on to your Google account. For more information, refer to “*Creating a New Google Account*” on page 10.
3. Follow the on-screen instructions for using the Books application.

## Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.


1. From the Home screen, tap  → **Calculator** .
2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (=).
6. To view calculator history, tap  located at the top of the calculator buttons. A history of your past calculations is displayed. Tap  again to display the calculator keypad.
7. To clear the calculator history, press  → **Clear history**.

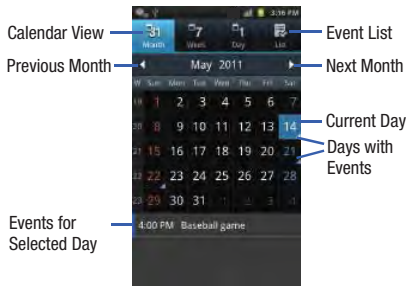
8. To change the text size, press  → **Text size**. Tap Small, Medium, or Large.

## Calendar


With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, **Calendar** .
2. The following options are available:
  - **Month:** the calendar displays the selected month with today's date highlighted. At the bottom of the calendar, scheduled events display in the order that they occur.
  - **Week:** the calendar displays the selected week with today's time and date highlighted.
  - **Day:** the calendar displays the selected day with any events highlighted.
  - **List:** the Event List displays all events that you have added for all dates in the order that they appear.




### Calendar Options

- ▶ From any Calendar view, press  to display the following options:
- **Create:** allows you to create a new event for any day or time period.
  - **Go to:** allows you to go to any date on your calendar.
  - **Today:** takes you to today's date, if you are not already there.
  - **Search:** allows you to search through your calendar for a particular word or words.
  - **Delete:** displays the event list, where you can select events to delete.
  - **Settings:** displays the following calendar settings:

- **Calendars:** displays all calendars they you have created.
- **Default view:** allows you to set the default view to Month, Week, Day, or List.
- **Day view:** allows you to set the Day view to display with times listed or as a list of events. Select Time grid or Event List.
- **First day of week:** allows you to set the first day of the week to Sunday or Monday. This will affect how the Month view calendar is displayed.
- **Font size:** allows you to change the font size for viewing lists and event details.
- **Hide declined events:** will not display events you have received from others if you have declined them.
- **Hide contact's anniversary events:** will not display the anniversaries of your contacts.
- **Lock time zone:** allows you to lock the event times and dates to the time zone that you select.
- **Select time zone:** allows you to set the time zone to which event times and dates will be locked.
- **Set alerts and notifications:** allows you to turn on audio alerts, set Status bar notification, or turn alerts off.
- **Vibration:** allows you to set the Event notification tone to vibrate Always, Only in Silent mode, or Never.
- **Select ringtone:** allows you to set the ringtone for the Event notification tone.
- **Calendar sync:** allows you to sync your calendar with other accounts such as email or social accounts.

## Event List

The Event List displays all events that you have added for all dates in the order that they appear.

1. From the Calendar, tap the **List** icon.
2. Tap any event to display it.
3. Press  to display the following options:
  - **Edit:** allows you the change the Event name, date, time, location, participants, alarm, alarm details, and description. Tap **Save**.
  - **Delete:** allows you to delete any event. Tap **OK** at the prompt.
  - **Send via:** allows you to send event information via Bluetooth, Email, Messaging, or Wi-Fi.

## Camera

Use your 5 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

For more information, refer to “*Camera*” on page 74.

## Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

## Alarm

This feature allows you to set an alarm to ring at a specific time.


1. From the Home screen, tap  → **Clock**  → **Alarm** →

**Create alarm.** The following options display:


- **Time:** tap the (+) or (-) to set the new time for the event, at which time an alarm will sound.
- **Alarm repeat:** use this option to set the repeating status for the alarm by tapping one of the following options:
  - **Weekly:** sets the alarm to sound once every week on the day and time that is set.
  - **Daily:** sets the alarm to sound all seven days of the week.
  - **Every weekday (Mon-Fri):** sets the alarm to sound on all five weekdays.
  - **One-time event:** sets the alarm to sound only once.
- **Alarm type:** sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
- **Alarm volume:** drag the slider to adjust the alarm's volume.
- **Alarm tone:** sets the sound file which is played when the alarm is activated. Select **Sounds** or **Go to My files**.
- **Snooze:** use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times).
- **Smart alarm:** tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Duration and the Tone.
- **Name:** allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

2. Tap **Save** to store the alarm details.

### Turning Off an Alarm




- ▶ To stop an alarm when it sounds, touch and drag the  icon in any direction.

### Setting the Snooze Feature

- ▶ To activate the Snooze feature after an alarm sounds, touch and drag the  icon in any direction. Snooze must first be set in the alarm settings. For more information, refer to “Alarm” on page 142.



### Deleting Alarms

To delete an alarm, follow these steps:




1. From the Home screen, tap  → **Clock**  → **Alarm** →  → **Delete**.
2. Tap the alarm or alarms you wish to delete. A green checkmark will appear next to each selection.
3. Tap **Delete**.

### World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.



1. From the Home screen, tap  → **Clock**  → **World clock**. The clock for your time zone is displayed.
2. Tap **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Off**, **1 hour**, or **2 hours**.
7. If Daylight Savings Time is selected, the sun symbol on the World Clock listing will appear orange.

#### Deleting a World Clock Entry

1. From the Home screen, tap  → **Clock**  → **World clock** →  → **Delete**.
2. Tap the city clocks you wish to delete.
3. Tap **Delete**.



#### Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap  → **Clock**  → **Stopwatch**.
2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.
3. Tap **Stop** to stop the stopwatch.
4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

#### Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap  → **Clock**  → **Timer**.
2. The **min** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. Tap the **hr** field to set hours if desired. As you tap different fields, they will become highlighted.
4. Tap the **sec** field to set seconds.


5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

## Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap  → **Clock**  → **Desk clock**.

The default Desk clock is displayed.

2. To make changes, tap  → **Settings**.
3. The following options are displayed:
  - **Time/Calendar display:** when this is checked, the time, day, and date is displayed. Tap to uncheck.
  - **AccuWeather:** when this is checked, the location, temperature, and weather condition is displayed. Tap to uncheck.
  - **Reset to default:** sets your Desk clock settings to the factory default.
  - **Dock:** tap Audio output mode to create a checkmark if you want to use the external dock speakers when the phone is docked.


## Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.



For more information, refer to “*Contacts and Your Address Book*” on page 54.

## Downloads

The Downloads application allows you to manage all of your downloads from the Market and the Browser.

1. From the Home screen, tap  → **Downloads** .

All of your downloads are listed.



2. Tap the **Internet Downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other Downloads** tab to see all other downloads.
4. Tap  → **Sort by size** to see your downloads sorted in size order.
5. Tap  → **Sort by time** to see your downloads sorted in time order.

## Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to “*Using Email*” on page 89.

## Facebook

You can use the Facebook app to go directly to your Facebook account rather than accessing it from the Browser.

1. From the Home screen, tap  → **Facebook** .
2. If you already have a facebook account, tap on the **Email** and **Password** fields and enter your information using the on-screen keyboard, then tap **Login**.

– or –

If you don't have a Facebook account, tap **Sign Up for Facebook** and follow the on-screen instructions.

## Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to “*Gallery*” on page 72.

## Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to “*Using Gmail*” on page 91.

## Google Search

The Google Search Bar provides you an on-screen Internet search engine powered by Google™. For more information, refer to “*Google Search Bar*” on page 26.

## Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to “*Google +*” on page 93.







## Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view call logs, videos, photos, bookmarks, IMs, and even send SMS messages from your home computer. For more information, refer to “*Kies Air*” on page 135.



## Latitude

With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location.

You must first set up your phone to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled.

1. From the Home screen, tap  → **Settings**  → **Location and security**.
  2. Tap **Use wireless networks**. A green checkmark indicates the feature is enabled.
  3. Press  → **Wireless and network** → **Wi-Fi settings**.
  4. Tap **Wi-Fi** to turn Wi-Fi on.
  5. Log on to your Google account. For more information, refer to “*Creating a New Google Account*” on page 10.
  6. Press  →  → **Latitude** .
- Your location is displayed on the map, accurate to 30 meters.

### Sharing your Location with Friends


1. From the Latitude map screen, tap  to display your Latitude friends. At first, only your name is displayed.
2. Press  → **Add friends**.
3. Tap **Select from Contacts** or **Add via email address**.




4. Tap a contact or enter an email address and tap **Add friends**.

5. At the **Send sharing requests** prompt, tap **Yes**.

Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone provided it is available. Once they acknowledge your request, their location will display on your phone. They can share their location from their computer or phone. For more information, go to <http://www.google.com/latitude>.

6. To view the map, press  → **Map view**.

### Latitude Options

- ▶ From the map display, press  to display the following options:
  - **Search**: allows you to search for a place of interest.
  - **Directions**: displays navigation directions to a location from a starting point.
  - **Clear Map**: allows you to remove all markings and layers from the map.
  - **More**: allows you to select the following additional options:

- **Map**: allows you to see the map view.
- **Places**: allows you to that use Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, etc.
- **Navigation**: allows you to use the Navigation application which is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.
- **Check in**: allows you to check in your location so that if your location is shared, your friends will be able to see your location.
- **Latitude**: lets you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends' locations.
- **Location history**: allows you to store your location history using background history reporting.
- **My Places**: allows you to see locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Press and hold on a location and when the screen displays with the address, tap the star in the upper-right corner. It will be listed in your Starred Places.
- **Settings**: displays the Google Mobile Help web page where you can receive help on Google Maps.
  - **Cache Settings**: allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.
  - **Location reporting**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.

- **Labs:** this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
- **Terms, Privacy & Notices:** displays the Terms and Conditions, Privacy Policy, or Legal Notices information. Select the desired information from the pop-up menu.
- **About:** displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
- **Help:** displays the Google Mobile Help web page where you can receive help on Google Maps.

## Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.



---

**Important!** Before using Google Maps you must have an active data connection. The Maps application does not cover every country or city.

---

## Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From the Home screen, tap  → **Settings**  → **Location and security**.
2. Tap the **Use GPS satellites** field. A green checkmark will display next to the field.

---

**Note:** Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

---

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

## Using Maps

1. From the Home screen, tap  → **Maps** .

A map will display with your location in the very center.


2. Press  to display the following options:

- **Search:** allows you to search for a place of interest.
- **Directions:** displays navigation directions to a location from a starting point.
- **Clear Map:** allows you to remove all markings and layers from the map.
- **More:** allows you to select the following additional options:
  - **Map:** allows you to see the map view.
  - **Places:** allows you to use Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, etc.
  - **Navigation:** allows you to use the Navigation application which is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.
  - **Check in:** allows you to check in your location so that if your location is shared, your friends will be able to see your location.
  - **Latitude:** lets you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends' locations.
  - **Location history:** allows you to store your location history using background history reporting.
- **My Places:** allows you to see locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Press and hold on a location and when the screen displays with the address, tap the star in the upper-right corner. It will be listed in your Starred Places.
- **Settings:** displays the Google Mobile Help web page where you can receive help on Google Maps.
  - **Cache Settings:** allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.
  - **Location reporting:** allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.
  - **Labs:** this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
  - **Terms, Privacy & Notices:** displays the Terms and Conditions, Privacy Policy, or Legal Notices information. Select the desired information from the pop-up menu.
  - **About:** displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
- **Help:** displays the Google Mobile Help web page where you can receive help on Google Maps.

## Market

Android Market provides access to downloadable applications and games to install on your phone. Android Market also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.


Before using the Android Market you must have a Google Account. For more information, refer to “Using Gmail” on page 91.

1. From the main Home screen, tap **Market** .

---

**Note:** The main Home screen initially contains the **Market**  icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Applications**  → **Market** .

---

2. Sign in to your Google account.
3. The first time you sign in, the Android Market Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap one of the category icons to download or purchase applications, music, games, books, or movies. You can also download updates to existing applications.  
– or –  
Tap  to search for an application.

5. Follow on the on-screen instructions.

---

**Note:** To use any downloaded market application that requires a USB connection between your phone and your PC, you should first set the USB utilities setting to **Connect storage to PC**. For more information, refer to “USB utilities” on page 98.



---

## Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to “Media Hub” on page 66.

## Memo


This feature allows you to create a memo and send it via Bluetooth, Email, or Messaging.

1. From the Home screen, tap  → **Memo** .
2. Type your Memo using the keypad and tap **Save**.  
The memo will display in the memo list.
3. To send a Memo, touch and hold the Memo in the Memo list.
4. Tap **Send**.
5. Tap **Bluetooth, Email, Messaging, or Wi-Fi**.

---

**Note:** Email will appear as an option only after you have setup your Email account. For more information, refer to “Using Email” on page 89.

---

6. Enter the recipient information and tap **Send**. For more information, refer to “Message Options” on page 85.
7. To modify a Memo, tap the pencil icon in the top right corner of the Memo. Edit the Memo then tap **Save**.
8. You can change the color or your Memo by simply tapping a color sample at the bottom of the display.
9. From the Memo list, press  to display the following options:
  - **Create:** allows you to create a new memo.
  - **Delete:** allows you to delete one or all of your memos.
  - **Search:** allows you to search your memos for a particular word or words.
  - **Send:** allows you to send one or several of your memos at one time. You can send via Bluetooth, Email, Messaging, or Wi-Fi.
  - **Sort by:** allows you to sort by Date or Color.
  - **More:** the following additional options are available:
    - **SNS log in:** allows you to log into your Facebook, Twitter, or LinkedIn accounts.

- **Sync memo:** allows you to sync your memos Google Docs or send individual memos.
- **PIN lock:** allows you to set a PIN lock so that a PIN must be entered before reading a memo.

## Messages



Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to “Messages App” on page 93.




## Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to “Messenger” on page 93.

## Mini Diary

The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook and MySpace.

1. From the Home screen, tap  → **Mini Diary** .
2. Tap **Create diary** to start a new diary entry.
3. Tap the **Tap to add photo** field to add a photo.

4. To take a new picture, tap **Camera**. To add a photo from your Gallery, tap **Gallery**.
5. Tap the **Tap to add text** field to add text to your diary then tap **Done**.
6. Tap the **Add location** field to add your location then tap **Done**.
7. Tap **Save**.
8. The dairy entry will be added to your Mini Diary with today's date.
9. While in a diary entry that has been previously saved, and does not have a photo, press  to display the following options:
  - **Create**: allows you to create a new diary entry.
  - **Delete**: allows you to delete a diary entry.
  - **Go to**: allows you to go to a selected date on the Calendar.
  - **Publish**: allows you to publish your diary to Facebook.
  - **Send via**: allows you to send your Diary entry by Email or Messaging.
10. While in a diary entry that has been previously saved, and does have a photo, press  to display the following options:
  - **Create**: allows you to create a new diary entry.
  - **Delete**: allows you to delete a diary entry.
  - **Go to**: allows you to go to a selected date on the Calendar.
  - **Change photo**: allows you to change your photo if you have already added one. This option only displays if a photo has been added.
  - **Delete photo**: allows you to delete your photo. This option only displays if a photo has been added.
  - **More**: select one of the following options:
    - **Publish**: allows you to publish your diary to Facebook.
    - **Send via**: allows you to send your Diary entry by Email or Messaging.
11. At the Mini Diary screen, press  to display the following options:
  - **Search**: allows you to search your diaries for a particular word or words.
  - **List by**: allows you to sort by Date or Location.
  - **Delete all**: allows you to delete all diary entries.
  - **Settings**: allows you to select **Auto update** which will update your Selected city based on GPS.

## Movies

The Movies application allows you to rent movies to watch on your phone. For more information, refer to “Movies” on page 70.

## Music

With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to “Music” on page 70.

## Music Player

Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists.

## My CC


The My Consumer Cellular (**My CC**) App allows you to track & view your usage (minutes, text & data) from the convenience of your LG smartphone, just as you would if you logged into your account from a computer. You can pay your bill, make changes to your plan, update your account information and contact customer service from within the app.

To launch the My CC app, press the icon on your home screen and the first screen that will appear is your Usage Summary screen. On this screen you will be able to view and track your voice, text and data usage. Be sure to press the More button in the bottom right corner of the screen, to see the additional features of the app.

For more information, refer to “Music Player” on page 67.

## My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap  → My Files .
2. The following folders display:
  - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** → **Camera** to view the picture or video files. For more information, refer to “Accessing Pictures” on page 78. Also, see “Accessing Videos” on page 82.
  - **Android**: the Android folder stores files that are used in Android applications.
  - **external\_sd**: this folder displays all of the files that you have on your memory card.
  - **bluetooth**: this folder stores files sent via a Bluetooth device.

---

**Note:** Different folders may appear depending on how your phone is configured.

---

## Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

---

**Note:** For voice-guided navigation, you need to install text-to-speech support from the Android Market.

---

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather

- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

### Launching Navigation

1. From the Home screen, tap  → **Navigation** .
2. Read the Navigation information page and tap **Accept** to continue or **Don't Accept** to exit.  
The **Choose Destination** screen displays.
3. Select one of the following options and enter the required information:
  - **Speak Destination:** allows you to speak your destination.
  - **Type Destination:** allows you to use the keypad to enter your destination.
  - **Contacts:** displays a list of all of your contacts that have addresses listed.
  - **Starred Places:** allows you to keep a list of favorite destinations, locations, restaurants, etc. Just tap a starred item to get directions.
  - **Recent Destinations:** allows you to access information on previous destinations you have used. This option only appears after you have entered one or more destinations.



## Navigation Options



- ▶ The map displays with your location in the center. Press  for the following options:
  - **Search:** allows you to speak or type a destination, place, or service to search for.
  - **Route Info:** displays the highlighted route with other information.
  - **Layers:** are additional items that you can have displayed on your map. They include:
    - **Traffic view:** displays real-time traffic conditions so you can plan the fastest route.
    - **Satellite:** allows you to see you the map as a satellite image.
    - **Parking:** allows you to see registered parking areas.
    - **Gas Stations:** allows you to see registered gas stations.
    - **ATMs & Banks:** allows you to see registered ATMs and Banks.
    - **Restaurants:** allows you to see registered restaurants.
  - **Mute/Unmute:** allows you to mute or unmute your navigation tones.
  - **Exit Navigation:** exits the Navigation application and returns you to the Application Menu screen.
  - **More:** includes the following options:
    - **Directions List:** View directions in a step-by-step list.
    - **Set Destination:** Choose or enter a destination.
    - **Settings:** allows you to set Screen Dimming so that the screen dims between instructions to conserve power.

- **Help:** takes you to the Google Mobile Help web page.
- **Terms, Privacy & Notices:** displays Terms and Conditions for Google mobile products, the Google Privacy Policy, and Google legal notices.

## Obtaining Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

### Using a Physical Address


1. From the Home screen, tap  → **Navigation** .
2. Tap either **Speak Destination** or **Type Destination**.
3. If typing in the address, enter the address, City, and State using the keypad. As you type, possible addresses will be displayed. Tap on one when you see the address you want. The route will be displayed.
4. As you drive, the route display will be updated and you will receive voice-guided navigation directions.

## News & Weather

The News & Weather application allows you to view the news and weather in your area.

1. From the Home screen, tap  → **News & Weather** .



The Weather screen is displayed with current temperature, conditions, Humidity, and Wind speed.

2. Tap the temperature to display a graph mapping the days temperature and humidity.
3. While on the Weather screen, press  to display the following options:
  - **Refresh:** allows you to refresh the screen. Your location and the weather is updated if there have been any changes.
  - **Settings:** allows you to set weather, news, and refresh settings.
    - **Weather settings:** allows you to choose location(s) and set the metric for temperature displays.
    - **News settings:** allows you to choose topics, configure settings for fetching articles and images, and view the terms of service for news service.
    - **Refresh settings:** allows you to choose options for updating content.
    - **Application version:** displays the application version number.
4. To view the news, sweep the screen to the left to display **Top Stories, U.S., Sports, and Entertainment.**

## Places

Places is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

The Places application allows you to find the best sources for business information across the web, including business listing details, reviews, photos, nearby public transit, and other related information. Business owners can provide additional details, like photos, hours of operation, and coupons.

1. From the Home screen, tap  → **Places** .
2. Tap on one of the business categories to search for a particular business.


All of the business categories that are close to you will be displayed.
3. Tap on a business that you want to see the details for.
4. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.

## Qik Lite

Allows you to record and share live video from your device with your friends, family and your favorite social networks. For more information, refer to “*Qik Lite*” on page 71.

## Quickoffice

The Quickoffice application allows you to create and save Microsoft Word and Excel documents. You can also view existing Powerpoint presentations and PDFs.

1. From the Home screen, tap  → **Quickoffice** .
2. Tap the **E-mail Address** field, then use the keypad to enter your E-mail address. Tap **Register Now**.

– or –

Tap **Register Later**.

The Quickoffice screen is displayed.

3. The following Quickoffice applications are available:
  - **Quickword:** allows you to create and save Word documents on your phone. you can also access Word documents from your SD card and your Recent Documents folder.
  - **Quicksheet:** allows you to create and save Excel spreadsheet documents.
  - **Quickpoint:** allows you to view existing Powerpoint documents from your SD card and your Recent Documents folder.
  - **QuickPDF:** allows you to view existing PDF documents from your SD card and your Recent Documents folder.
4. Select an option and follow the on-screen instructions.

## Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to “*Changing Your Settings*” on page 95.

## Social Hub


With Social Hub, you can now easily and intuitively satisfy all of your relevant communication needs from one integrated user experience. E-mails, instant messaging, social network contents, and calendar contents from all major service providers are available.

To access Social Hub, follow these steps:

1. From the Home screen, tap  → **Social Hub** .

The Social Hub Welcome page describes all of the available features.

2. To setup your Social Hub account, tap **Setup now**.
3. Tap on the Social Hub account type that you would like to setup.
4. Read the SNS disclaimer, tap the **I accept all the terms above** checkbox, then tap **Agree** to continue.
5. Tap **Next**.




6. Follow the on-screen instructions for adding an account.
7. From the Social Hub main screen, tap the **Feeds** or **Messages** tabs to see information pertaining to your account.
8. To add another account, press  → **Add account**.

## Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to “*Google Talk*” on page 92.

## Task

With the Task application you can create a task list of things you need to do and check them off after the task is complete.

1. From the Home screen, tap  → **Task** .
2. Tap **Create task** to start a new task entry.
3. Tap the **Name** field and enter a task name using the keypad.
4. Tap the **Due date** field and enter a due date name using the keypad. If there is no date that the task is due, tap the **No due date** checkbox.
5. If desired, enter **Task**, **Priority**, **Reminder**, and **Notes** then tap **Save**.
6. At the Task list screen, press  to display the following options:
  - **Create**: allows you to create a new task.
  - **Delete**: allows you to delete one or all of your tasks.
  - **Search**: allows you to search your tasks for a particular word or words.
  - **List by**: allows you to sort by Due date, Status, or Priority.
  - **Sync task**: allows you to sync your tasks to any of your accounts.
7. From the Task list screen, tap a task once you have completed it and a checkmark appears next to the task. The task name is also grayed out so that you can still read it.

## Task Manager

The Task Manager application provides information about the processes and programs running on your phone, as well as the memory status. It can also be used to terminate processes and applications.

To access the Task Manager, follow these steps:



1. From the Home screen, tap  → **Task Manager** .
2. The Task Manager options are located at the top of the screen. The following options are available:
  - **Active applications:** displays all of the applications that are presently running on your phone. Tap Exit to end an application, or tap Exit all to end all running applications.
  - **Downloaded:** displays the size of your downloaded application programs.
  - **RAM:** displays the Random Access Memory (RAM) and allows you to clear different levels of RAM.
  - **Storage:** displays a summary of your device's storage (used and available).
  - **Help:** displays information on how to extend battery life.

## Videos

The Video Player application plays video files stored on your memory card. For more information, refer to “Videos” on page 72.








## Voice command

With the Voice command application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap  → **Voice command** .
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the Vlingo Terms of Service then tap **Agree** to continue.
4. Read the information on the **How to use Samsung voice** screen, then tap **Confirm**.
5. Tap **Finish**.
6. At the Voice talk screen, tap on an icon for assistance in using Voice command or tap **Tap & Speak** to speak what you would like to do.
7. Follow the on-screen instructions.

## Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using AllShare, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.


1. From the Home screen, tap  → **Voice Recorder** .
2. To start recording, tap  and speak into the microphone.
3. During the recording process you can either tap **Stop**  to stop and save the recording or **Pause**  to temporarily halt the recording. After pausing, tap  to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap  to cancel the recording without saving.
4. Tap  to display a list of all your voice recordings. Tap a voice recording to play it.
5. From the Recorded files screen, press  to display the following options:
  - **Share:** allows you to share your recording using Bluetooth, Email, Gmail, Messaging, or Wi-Fi.

- **Delete:** allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
- **Rename:** allows you to rename your recordings.
- **Settings:** the following settings are available:
  - **Storage:** allows you to choose where your recordings will be saved. Select between Phone or memory card.
  - **Default name:** allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.
  - **Recording quality:** allows you to set the recording quality to High or Normal.
  - **Limit for MMS:** allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

## Voice Search

The Voice Search feature is a voice-activated application that allows you to tell the phone what to search for and then the phone activates a Google search based on what you said.

1. From the Home screen, tap  → **Voice Search** .
- or –



From the main Home screen, tap  on the right side of the Google Search bar.

2. The **Speak Now** screen will display. Speak clearly into the microphone.
3. The **Working** screen will display as it searches for you.
4. Results will display on the screen. Tap a link to view the information.  
– or –

The **No matches found** screen will display if Voice Search was not able to find a match. Tap **Speak again** or **Cancel**.

## Voice talk

With the Voice talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap  → **Voice talk** .
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the Vlingo Terms of Service then tap **Agree** to continue.
4. Read the information on the **How to use Samsung voice** screen, then tap **Next**.

5. Read the information on the **Wake up Voice talk** screen, then tap **Next**.
6. Read the information on the **What can I say?** screen, then tap **Done**.
7. At the Voice talk screen, tap on an icon for assistance in using Voice command or tap **Tap & Speak** to speak what you would like to do.
8. Follow the on-screen instructions.




## YouTube


YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

---

**Note:** YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

---

1. From the Home screen, tap  → **YouTube** .
2. Tap the search field  to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.

3. To view a video, tap an available preview thumbnail or tap the title link.
4. If you prefer high quality video, as the video starts to play, tap **HQ**.
5. Tap  to go to your camcorder so you can take your own videos. For more information, refer to “Using the Camcorder” on page 80.

---

**Note:** It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, access the page via the Web browser and tap **Sign in** at the top right corner, enter your YouTube or Google username and password, and tap **Sign in**.

---



## Section 11: Health and Safety Information

---

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device.**

### Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

#### *Do cell phones pose a health hazard?*

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

### **Research Results to Date: Is there a connection between RF and certain health problems?**

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

#### **Interphone Study**

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at <http://com.iarc.fr/en/media-centre/pr/>.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

#### **International Cohort Study on Mobile Phone Users (COSMOS)**

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at <http://www.ukcosmos.org/index.html>.

## **Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)**

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at [http://www.creal.cat/programes-recerca/en\\_projectes-creal/view.php?ID=39](http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39).

## **Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute**

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at <http://seer.cancer.gov/>.

## **Cell Phone Industry Actions**

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

## **Reducing Exposure: Hands-Free Kits and Other Accessories**

### **Steps to Reduce Exposure to Radio Frequency Energy**

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;

- Use speaker mode or a headset to place more distance between your head and the cell phone.

### **Hands-Free Kits**

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

### **Cell Phone Accessories that Claim to Shield the Head from RF Radiation**

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF

absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

### **Children and Cell Phones**

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:  
<http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA):  
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):  
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.  
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):  
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):  
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:  
<http://www.icnirp.de>.
- Health Protection Agency:  
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:  
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

## Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

The maximum SAR values for this model phone as reported to the FCC are:

Head: 0.96 W/Kg.

Body-worn: 0.94 W/Kg.

SAR information on this and other model phones can be viewed online at <http://www.fcc.gov/oet/ea>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at [www.fcc.gov/cgb/sar](http://www.fcc.gov/cgb/sar).

### **FCC Part 15 Information to User:**

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any

interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Smart Practices While Driving

### On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility.

**Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

**Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.**

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

**Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.**

**Never watch videos, such as a movie or clip, or play video games while operating a vehicle.**

For more information, go to <http://www.ctia.org>.

## Battery Use and Safety

---

**Important! Handle and store batteries properly to avoid injury or damage.**

Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

---

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer,



iron, or radiator. Avoid leaving your phone in your car in high temperatures.

- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone.** Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**
- **Do not allow the battery to touch metal objects.** Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

---

**Important!** Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

---

---

**Warning!** Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

---

- **Do not use incompatible cell phone batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

## Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

### **Drop It Off**

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: [http://pages.samsung.com/us/recyclingdirect/usactivities\\_environment\\_samsungrecyclingdirect\\_locations.jsp](http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp).

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

<http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

### **Mail It In**

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to [http://www.samsung.com/us/aboutsamsung/citizenship/usactivities\\_environment\\_samsungrecyclingdirect.html?INT=STA\\_recycle\\_your\\_phone\\_page](http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recycle_your_phone_page) and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

[www.samsung.com/recyclingdirect](http://www.samsung.com/recyclingdirect)

Or call, (877) 278-0799.

### **Follow local regulations regarding disposal of mobile devices and batteries**

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

---

**Warning!** Never dispose of batteries in a fire because they may explode.

---

## UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

**FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.**

**IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.**

**DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.**

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

## Display / Touch-Screen

Please note the following information when using your mobile device:

### WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

### WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, refer to “*Standard Limited Warranty*” on page 184.

## GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

### Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider,

applications providers, Samsung, and other third-parties providing services.

### Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

### Navigation



Maps, directions, and other navigation data may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. Therefore, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

## Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

### To make an emergency call:

1. If the phone is not on, switch it on.
2. From the Home screen, tap . The dialer is displayed.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number).  
Emergency numbers vary by location.
4. Tap the  key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

## Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

### Keep your Samsung Mobile Device away from:

#### Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

**Extreme heat or cold**

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

**Microwaves**

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

**Dust and dirt**

Do not expose your mobile device to dust, dirt, or sand.

**Cleaning solutions**

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

**Shock or vibration**

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

**Paint**

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

**Responsible Listening**

---

**Caution!: Avoid potential hearing loss.**

---

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: [info@audiology.org](mailto:info@audiology.org)

Internet: <http://www.audiology.org/Pages/default.aspx>

**National Institute on Deafness and Other Communication Disorders**

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: [nidcdinfo@nih.gov](mailto:nidcdinfo@nih.gov)

Internet: <http://www.nidcd.nih.gov/>

## National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov)

Internet: <http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

## Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

## Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

## Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.



For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

### **Other Medical Devices**

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### **Vehicles**

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

### **Posted Facilities**

Switch your mobile device off in any facility where posted notices require you to do so.

### **Potentially Explosive Environments**

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

### **FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices**

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices be compatible with hearing aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities. While some wireless mobile devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

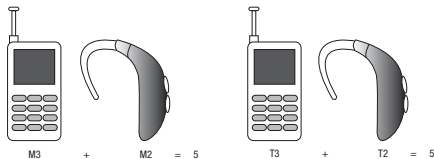
The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

**M-Ratings:** Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

**T-Ratings:** Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless mobile device rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



If a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless mobile device.

“Normal usage” in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

### **HAC/Wi-Fi for Newer Technologies**

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

## **Restricting Children's Access to Your Mobile Device**

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

## **FCC Notice and Cautions**

### **FCC Notice**

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

### **Cautions**

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the

mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

### **Other Important Safety Information**

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.

- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

# Warranty Information

## Warranty And Technical Data

This product is guaranteed for a period of 12 months from the date of purchase. In the unlikely event of a fault occurring during this period, please contact the place of purchase. Proof of purchase is required for any service or support needed during the guarantee period.

This guarantee will not apply to a fault caused by an accident or a similar incident or damage, liquid ingress, negligence, abnormal usage, non-maintenance or any other circumstances on the user's part. Furthermore, this guarantee will not apply to any fault caused by a thunderstorm or any other voltage fluctuations. As a matter of precaution, we recommend disconnecting the charger during a thunderstorm. Batteries are consumables and are not included in any guarantee.

This guarantee does not apply if batteries other than Samsung original batteries are used.

## Support

For assistance, please contact:

Email: [service@ConsumerCellular.com](mailto:service@ConsumerCellular.com)

Website: [www.ConsumerCellular.com/support](http://www.ConsumerCellular.com/support)

Telephone: 1-800-686-4460

Need to test your cell phone?

At any time you can place a mobile phone test call to our FREE test line by dialing 1-888-460-8781 from your cellular phone. If the call is completed correctly you will hear a recorded message telling you that your mobile phone is working.

# Consumer Cellular®

## CONSUMER CELLULAR, INC.

7204 SW Durham Rd. | Portland, OR 97224 | 1.800.686.4460

## SAMSUNG TELECOMMUNICATIONS AMERICA, LLC

1301 E. Lookout Dr. | Richardson, TX 75082 | 1.888.987.4357

2013 Samsung Telecommunications America, LLC, Galaxy Exhilarate and I577 are trademarks of Samsung and its related entities. All product and brand names are trademarks or registered trademarks of their respective companies. Screen images simulated. Appearance of the phone may vary.